

REDACTED

LB00074

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of 1

Inclusive Dates: 4/15/13 -

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	JP	STREET OTIE, Team Leader
(b) (6)	AO	STREET VES

Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and \leq 1/4-acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over 1/4-acre in parcel lot size will be divided into 1/4-acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with "A".

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID. Pan splits will be identified by appending an "SP" to the end of the sample ID.

ADDRESS

DATE: 7/13/15

PROPERTY ID:

DATE:

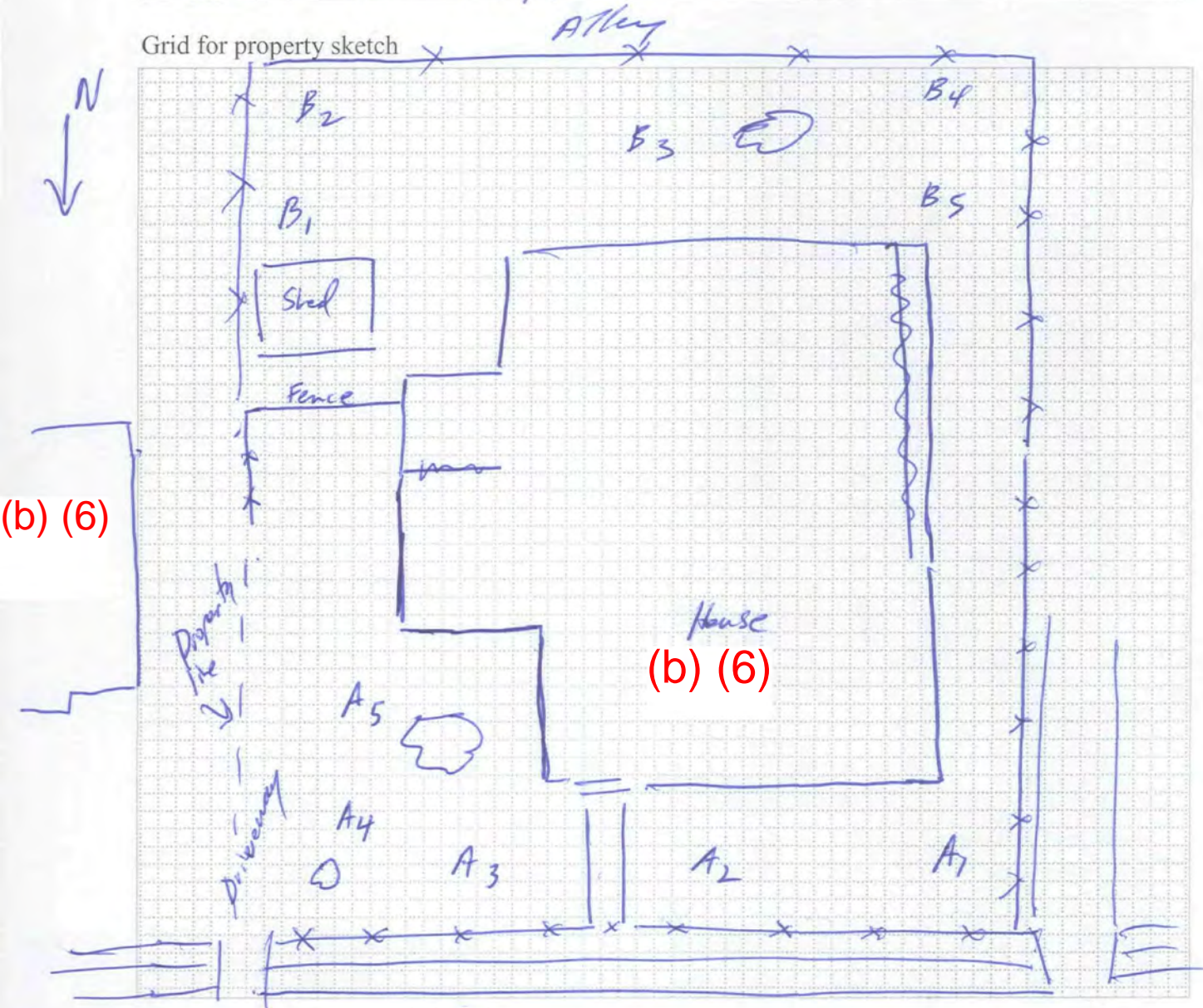
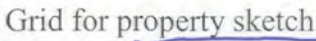
ARRIVAL TIME: 1305

Other pertinent information (weather conditions, etc.):

68°F, cloudy, wind S @ 5 mph

PROPERTY COMMENTS:

Resident @ home. Split samples w/ C. Troiano
(Goodwin Mills Caywood [6mc]) - Property listed in
database as 3229 31ST AVEN. Number on
house is 3179.



(b) (6)

STATION ID: CV0745 SAMPLE ID: CV0745A-CS-SP

SAMPLE COLLECTION TIME: 1325

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

front & east side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0745A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55398897</u>	N Longitude	<u>86.80157150</u> W
Media description:	<u>dk brn sandy silt gravel & coal frags moist</u>		
Aliquot #2 Latitude:	<u>33.55398699</u>	N Longitude	<u>86.80153359</u> W
Media description:	<u>same as above</u>		
Aliquot #3: Latitude:	<u>33.55398466</u>	N Longitude	<u>86.80150097</u> W
Media description:	<u>same as above</u>		
Aliquot #4: Latitude:	<u>33.55397307</u>	N Longitude	<u>86.80146910</u> W
Media description:	<u>same as above</u>		
Aliquot #5: Latitude:	<u>33.55392080</u>	N Longitude	<u>86.80147181</u> W
Media description:	<u>same as above</u>		

STATION ID: CV0745B SAMPLE ID: CV0745B-CS-SP

SAMPLE COLLECTION TIME: 1345

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0745B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.55374025</u>	N Longitude	<u>86.80142757</u> W
Media description:	<u>dk brn sandy silt gravel & coal frags moist</u>		
Aliquot #2 Latitude:	<u>33.55369128</u>	N Longitude	<u>86.80143346</u> W
Media description:	<u>same as above</u>		
Aliquot #3: Latitude:	<u>33.55372760</u>	N Longitude	<u>86.80150745</u> W
Media description:	<u>same as above</u>		
Aliquot #4: Latitude:	<u>33.55368682</u>	N Longitude	<u>86.80154341</u> W
Media description:	<u>same as above</u>		
Aliquot #5: Latitude:	<u>33.55373793</u>	N Longitude	<u>86.80156446</u> W
Media description:	<u>same as above</u>		

(b) (6)

ADDRESS:

PROPERTY ID: FM0060

DATE:

4/15/13

ARRIVAL TIME:

1415

Other pertinent information (weather conditions, etc.):

68°F Wind S @ 5 mph Cloudy

PROPERTY COMMENTS:

Commercial vacant property (Former Fairmont Groc.)

Split samples w/ C. Troiano (GMC)

Lot slopes down toward 29TH ST N

Grid for property sketch

Driveway

power pole

Asphalt

power pole

A5

A4

A3

A2

A1

4036
(Former
Fairmont
Groc.)

Asphalt

power pole

41 ST AVE N

Asphalt

sidewalk

29TH

(b) (6)

STATION ID: Fm 0060A SAMPLE ID: Fm0060A-CS-SP

SAMPLE COLLECTION TIME: 1425

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0060A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56430409</u>	N Longitude: <u>86.81171573</u>	W
Media description: <u>brn / orange silty clay w/ coal frags. moist</u>		
Aliquot #2: Latitude: <u>33.56430756</u>	N Longitude: <u>86.81175013</u>	W
Media description: <u>dk brn silty clay w/ coal frags. moist</u>		
Aliquot #3: Latitude: <u>33.56430586</u>	N Longitude: <u>86.81179066</u>	W
Media description: <u>same as #1</u>		
Aliquot #4: Latitude: <u>33.56430574</u>	N Longitude: <u>86.81182893</u>	W
Media description: <u>same as #1</u>		
Aliquot #5: Latitude: <u>33.56430522</u>	N Longitude: <u>86.81187957</u>	W
Media description: <u>Same as #1</u>		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input type="checkbox"/>	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #2: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude: _____	W
Media description: _____		

ADDRESS:

PROPERTY ID:

DATE:

4/15/13

ARRIVAL TIME:

1450

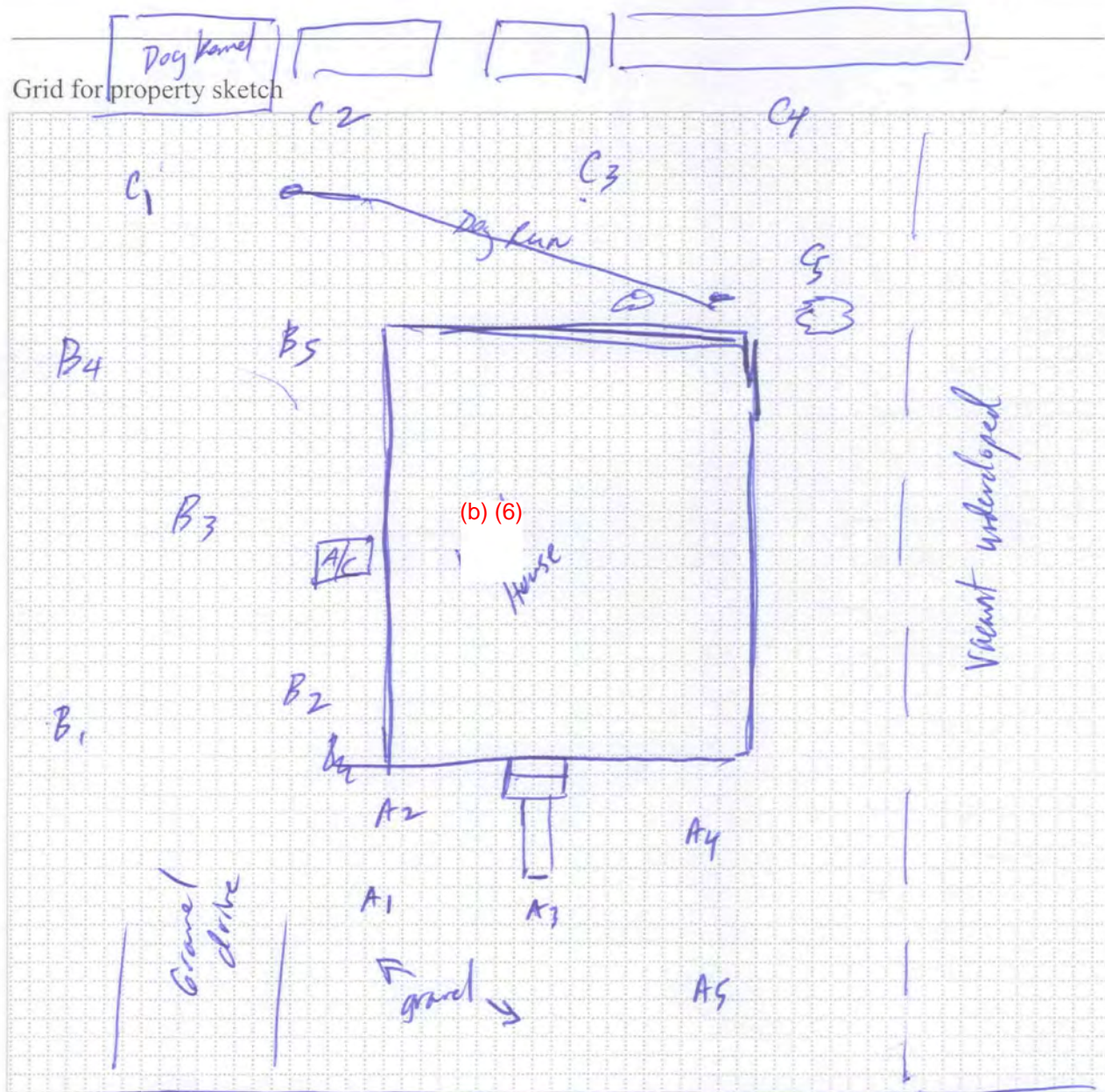
Other pertinent information (weather conditions, etc.):

69°F, partly cloudy, wind S @ 5 mph

PROPERTY COMMENTS:

Resident @ home. Split samples of C. Miano (Cmc). Large resident 21 lot

Grid for property sketch



STATION ID: Fm0106A SAMPLE ID: Fm0106A-CS-SP

SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0106A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56986343</u>	N Longitude <u>86.80411259</u> W
Media description: <u>brn silty clay dry</u>	
Aliquot #2: Latitude: <u>33.56983526</u>	N Longitude <u>86.80414457</u> W
Media description: <u>same as #2</u>	
Aliquot #3: Latitude: <u>33.56990372</u>	N Longitude <u>86.80412330</u> W
Media description: <u>same as #2</u>	
Aliquot #4: Latitude: <u>33.56973204</u>	N Longitude <u>86.80412675</u> W
Media description: <u>same as #1</u>	
Aliquot #5: Latitude: <u>33.56991934</u>	N Longitude <u>86.80408372</u> W
Media description: <u>brn gray sandy clay + gravel</u>	

STATION ID: Fm0106B SAMPLE ID: Fm0106B-CS-SP

SAMPLE COLLECTION TIME: 1515

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0106B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56976401</u>	N Longitude <u>86.80425115</u> W
Media description: <u>dk brn silty clay dry</u>	
Aliquot #2: Latitude: <u>33.5697701</u>	N Longitude <u>86.80437008</u> W
Media description: <u>same as #1 above</u>	
Aliquot #3: Latitude: <u>33.56980628</u>	N Longitude <u>86.80429607</u> W
Media description: <u>same as #1 above</u>	
Aliquot #4: Latitude: <u>33.56982626</u>	N Longitude <u>86.80433172</u> W
Media description: <u>same as #1 above</u>	
Aliquot #5: Latitude: <u>33.56985759</u>	N Longitude <u>86.80422999</u> W
Media description: <u>same as #1 above</u>	

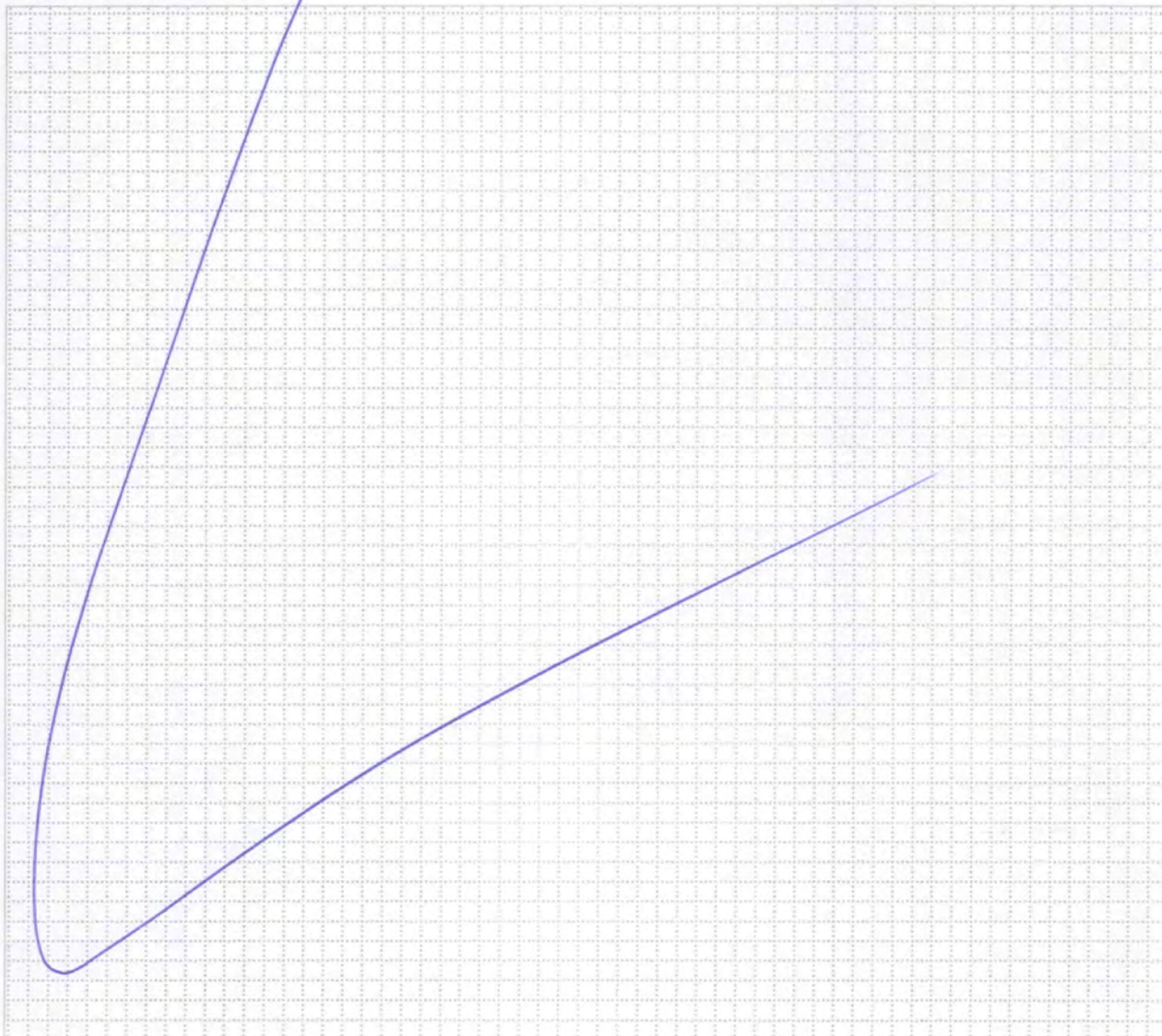
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: Fm0106C SAMPLE ID: Fm0106C-CS-SP

SAMPLE COLLECTION TIME: 1520

Description of sample location (front, back, side, yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>		Logged? <u>Y</u> or N	
Aliquot #1: Latitude: <u>33.56978856</u>	N Longitude: <u>86.80458836</u>	W	
Media description: <u>brn silty clay dry</u>			
Aliquot #2 Latitude: <u>33.56981755</u>	N Longitude: <u>86.80462356</u>	W	
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.56987270</u>	N Longitude: <u>86.80459277</u>	W	
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.56994570</u>	N Longitude: <u>86.80460459</u>	W	
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.56992133</u>	N Longitude: <u>86.80449977</u>	W	
Media description: <u>light brn silty clay w/ coal fragments</u>			

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____		Logged? Y or N	
Aliquot #1: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #2 Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #3: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #4: Latitude: _____	N Longitude: _____	W	
Media description: _____			
Aliquot #5: Latitude: _____	N Longitude: _____	W	
Media description: _____			

(b) (6)

ADDRESS:

PROPERTY ID:

CV9282

DATE:

4/16/13

ARRIVAL TIME:

0900

Other pertinent information (weather conditions, etc.):

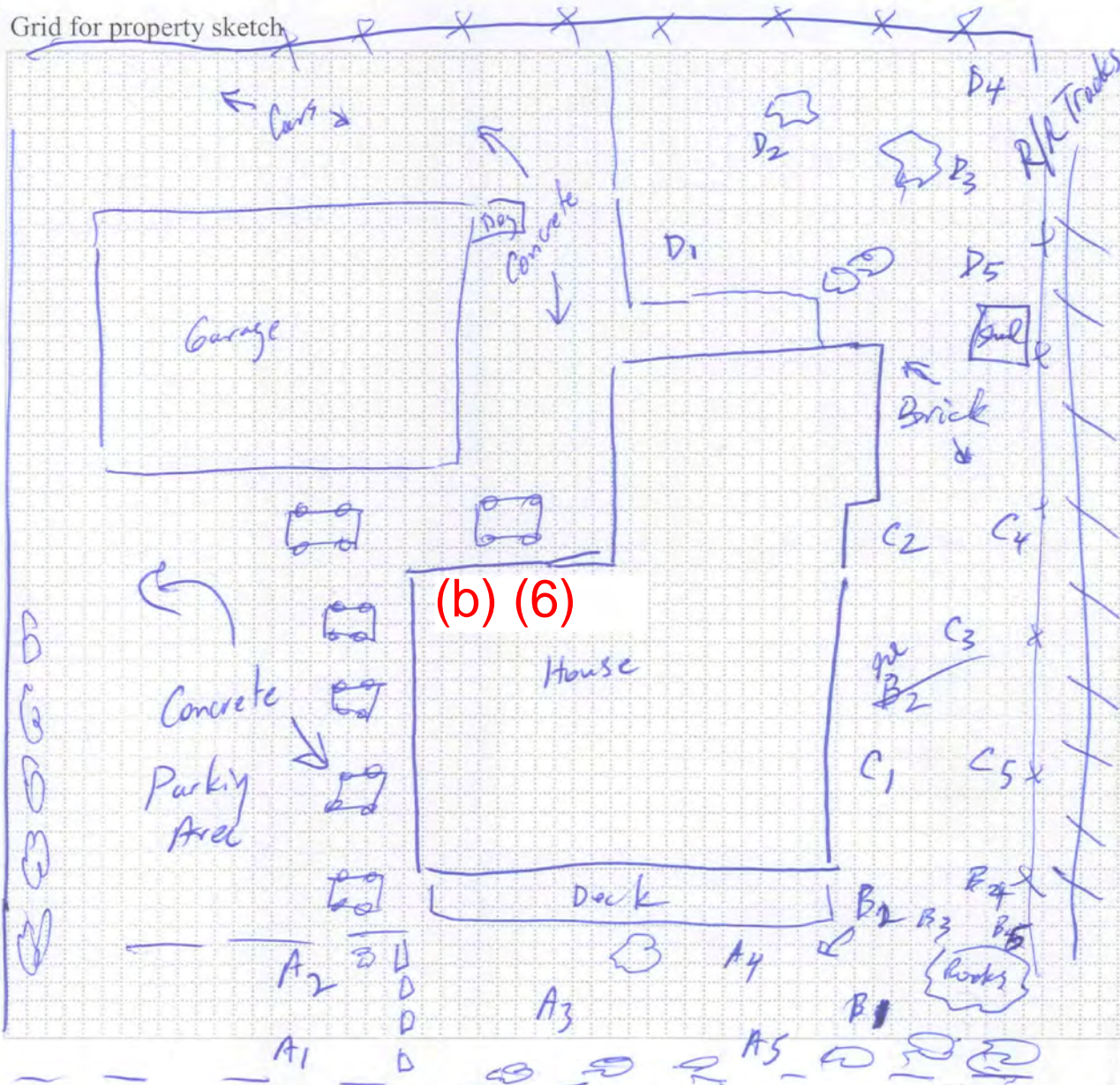
70°F, wind southeast @ 0-5, mostly cloudy

PROPERTY COMMENTS:

Resident @ home. Property used as residence
and parking area for restored automobiles
Split samples w/ C. Troiano (CMC).
68°F, mostly cloudy, wind SE @ 0-5



Grid for property sketch



STATION ID: CV1282A SAMPLE ID: CV1282A-CS-SP

SAMPLE COLLECTION TIME: 0930

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

east of house south half

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1282A

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55250978</u>	N Longitude <u>86.80133098</u> W
Media description: <u>loam silty clay w/ gravel & coal fines moist</u>	
Aliquot #2: Latitude: <u>33.55250500</u>	N Longitude <u>86.80138864</u> W
Media description: <u>Same as #1</u>	
Aliquot #3: Latitude: <u>33.55257729</u>	N Longitude <u>86.80133310</u> W
Media description: <u>Same as #1</u>	
Aliquot #4: Latitude: <u>33.55264160</u>	N Longitude <u>86.80137024</u> W
Media description: <u>Same as #1</u>	
Aliquot #5: Latitude: <u>33.55263054</u>	N Longitude <u>86.80132362</u> W
Media description: <u>Same as #1</u>	

STATION ID: CV1282B SAMPLE ID: CV1282B-CS-SP

SAMPLE COLLECTION TIME: 0940

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

east of house north half

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1282B

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55266499</u>	N Longitude <u>86.80130156</u> W
Media description: <u>Same as CV1282A1</u>	
Aliquot #2: Latitude: <u>33.55266900</u>	N Longitude <u>86.80136012</u> W
Media description: <u>Same as #1 above</u>	
Aliquot #3: Latitude: <u>33.55270071</u>	N Longitude <u>86.80132754</u> W
Media description: <u>Same as #1 above</u>	
Aliquot #4: Latitude: <u>33.55276172</u>	N Longitude <u>86.80134877</u> W
Media description: <u>Same as #1 above</u>	
Aliquot #5: Latitude: <u>33.55275778</u>	N Longitude <u>86.80131302</u> W
Media description: <u>Same as #1 above</u>	

ADDRESS: _____ PROPERTY ID: _____

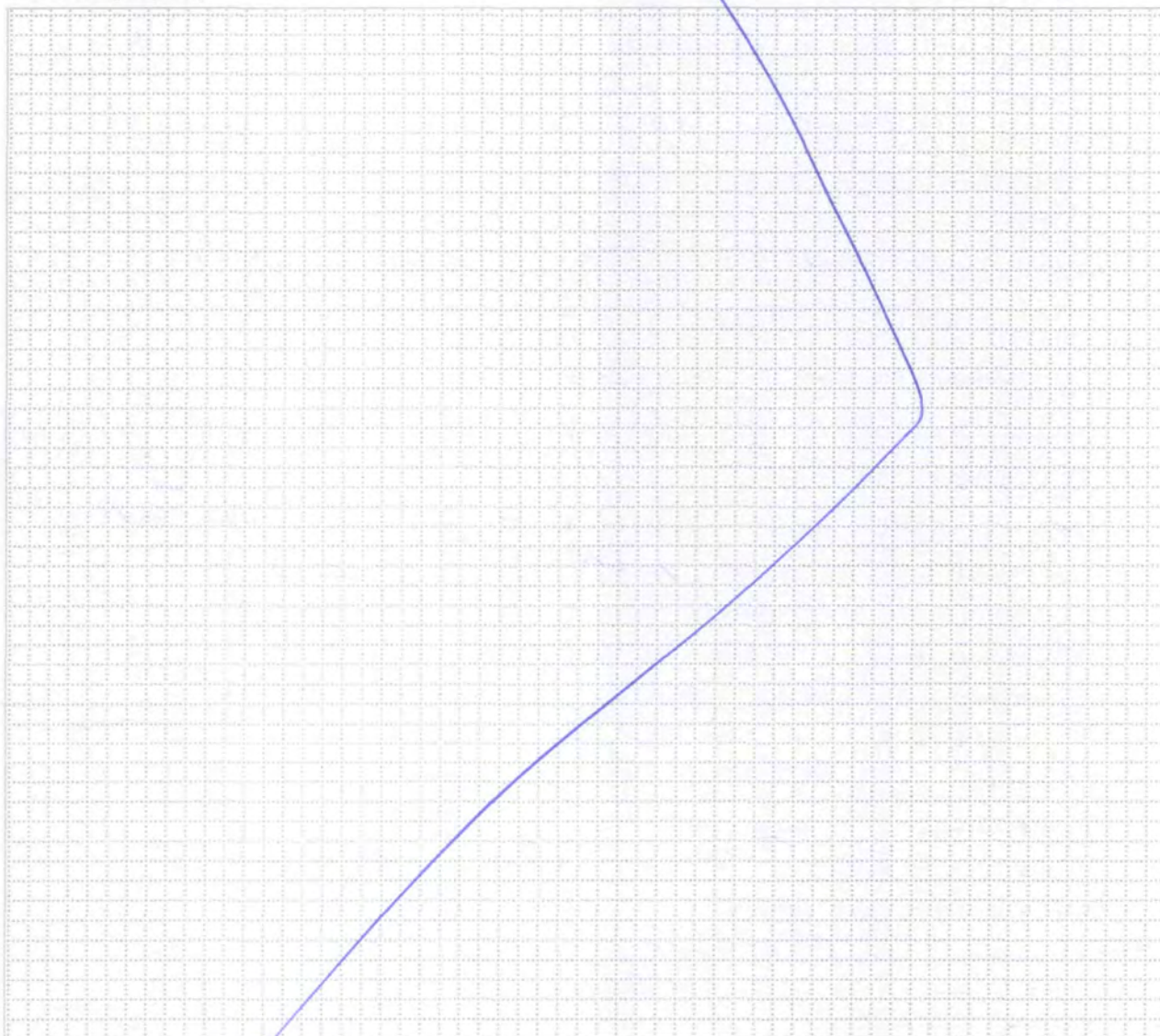
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE PG. 14

Grid for property sketch



STATION ID:

CV1282 D

SAMPLE ID:

CV1282 CS-SP

SAMPLE COLLECTION TIME:

0955 1005

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

NE west of house

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

CV1282 D

GPS Coordinates: Trimble ☒ Instrument #: 18594 Logged? ☒ or N

Aliquot #1: Latitude: 33.55268091 N Longitude: 86.80179764 W

Media description: dk brown silty clay w/ gravel moist

Aliquot #2: Latitude: 33.55270509 N Longitude: 86.80186712 W

Media description: dk brown silty clay w/ gravel + coal frags. moist

Aliquot #3: Latitude: 33.55274925 N Longitude: 86.80184245 W

Media description: Same as #2

Aliquot #4: Latitude: 33.55276692 N Longitude: 86.80189257 W

Media description: Same as #2

Aliquot #5: Latitude: 33.55277826 N Longitude: 86.80178358 W

Media description: Same as #2

STATION ID:

CV1282 C

SAMPLE ID:

CV1282 CS-SP

SAMPLE COLLECTION TIME:

1005 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard north of house

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

CV1282 C

GPS Coordinates: Trimble ☒ Instrument #: 18594 Logged? ☒ or N

Aliquot #1: Latitude: 33.55271522 N Longitude: 86.80146699 W

Media description: dk brown silty clay w/ gravel moist

Aliquot #2: Latitude: 33.55272227 N Longitude: 86.80162523 W

Media description: dk brown silty clay w/ gravel + coal frags. moist

Aliquot #3: Latitude: 33.55274715 N Longitude: 86.80155379 W

Media description: Same as #2

Aliquot #4: Latitude: 33.55277098 N Longitude: 86.80162708 W

Media description: Same as #2

Aliquot #5: Latitude: 33.55276698 N Longitude: 86.80148272 W

Media description: Same as #2

(b) (6)

ADDRESS:

PROPERTY ID:

CV/225

DATE:

4/16/13

ARRIVAL TIME:

1024

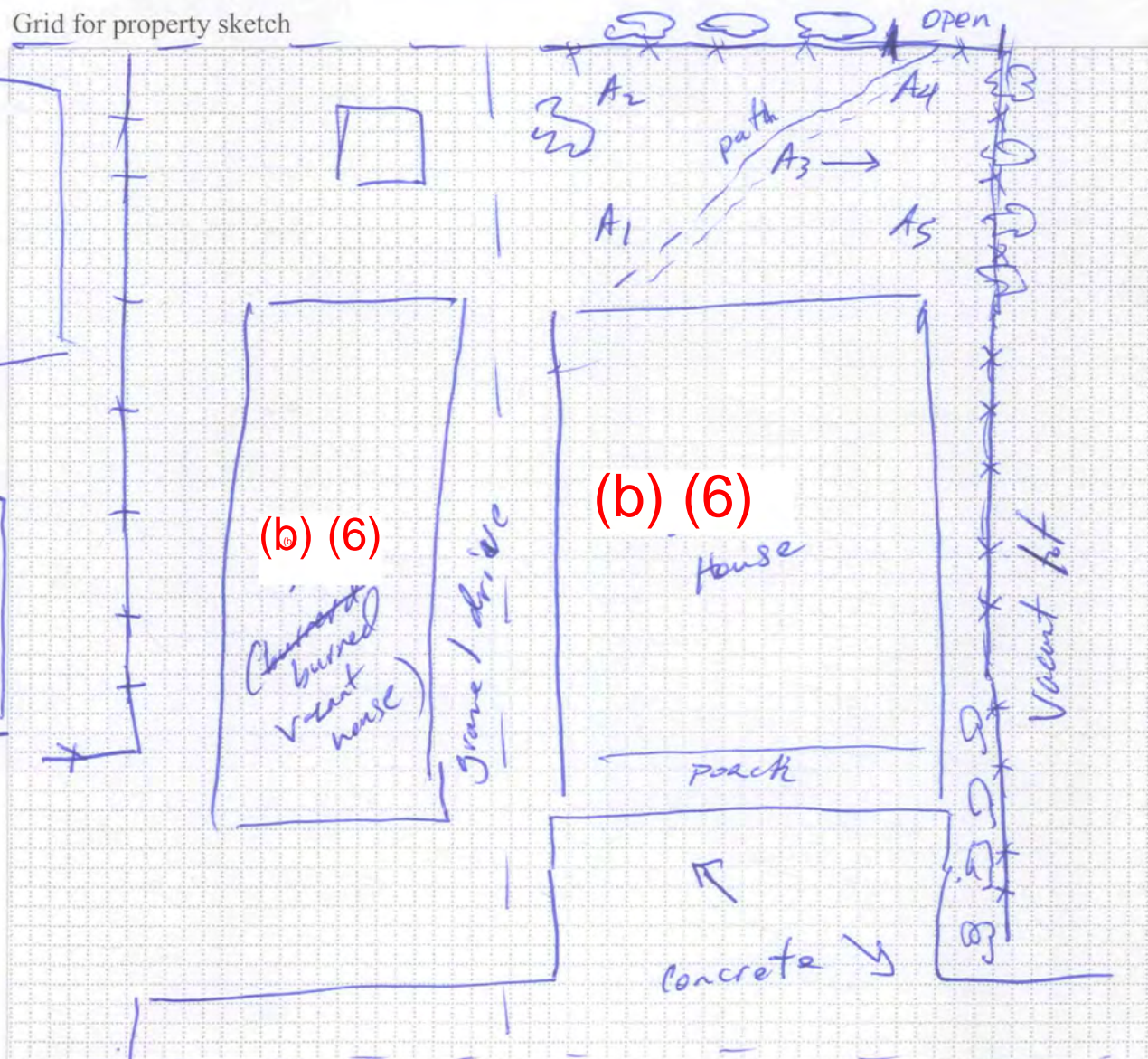
Other pertinent information (weather conditions, etc.):

72°F mostly cloudy, wind SSE @ 0-5 MPH

PROPERTY COMMENTS:

Vacant house. No front yard small, narrow lot.
Split samples w/ C. Troiano (Ene)

Grid for property sketch



(b) (6)

STATION ID: CV1225A SAMPLE ID: CV1225A-CS-SP

SAMPLE COLLECTION TIME: 1045

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Back

Collection: ☒ Composite or ☐ Grab

MS/MSD? Y or ☒ N

Field Duplicate or Split: ☒ Yes or ☐ No If yes, indicate Duplicate/split sample station ID: CV1225A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18554</u>	Logged? <input checked="" type="radio"/> or <input type="radio"/> N
Aliquot #1: Latitude:	<u>33.55230623</u>	N Longitude	<u>86.80176905</u> W
Media description:	<u>tan silty clay w/ gravel & coal frags. moist</u>		
Aliquot #2: Latitude:	<u>33.55241466</u>	N Longitude	<u>86.80196103</u> W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.55235848</u>	N Longitude	<u>86.80194743</u> W
Media description:	<u>same as #1</u>		
Aliquot #4: Latitude:	<u>33.55242383</u>	N Longitude	<u>86.80193540</u> W
Media description:	<u>same as #1</u>		
Aliquot #5: Latitude:	<u>33.55232099</u>	N Longitude	<u>86.80192646</u> W
Media description:	<u>dk brn silty clay w/ gravel & coal fragments moist</u>		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
9E

Collection: ☐ Composite or ☐ Grab

MS/MSD? Y or ☐ N

Field Duplicate or Split: ☐ Yes or ☐ No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble [<input type="checkbox"/>]	Instrument #: _____	Logged? Y or <input type="radio"/> N
Aliquot #1: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #2: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #3: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #4: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #5: Latitude:	_____	N Longitude	_____ W
Media description:	_____		

(b) (6)

ADDRESS:

PROPERTY ID:

CV1066

DATE:

4/16/13

ARRIVAL TIME:

8:00
CV1066/053

Other pertinent information (weather conditions, etc.):

75°F, not partly cloudy, wind SE @ 0-5 mph.

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV1066A SAMPLE ID: CV1066A-CS-SP

SAMPLE COLLECTION TIME: 1115

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1066A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55048893</u>	N Longitude	<u>86.80158168</u>	W
	Media description:	<u>dk brn silty clay w/ gravel & coal frags. moist</u>			
Aliquot #2:	Latitude:	<u>33.55053614</u>	N Longitude	<u>86.80158786</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #3:	Latitude:	<u>33.55050727</u>	N Longitude	<u>86.80154084</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #4:	Latitude:	<u>33.55052192</u>	N Longitude	<u>86.80149592</u>	W
	Media description:	<u>Same as #1</u>			
Aliquot #5:	Latitude:	<u>33.55047592</u>	N Longitude	<u>86.80149488</u>	W
	Media description:	<u>Same as #1</u>			

STATION ID: CV1066B SAMPLE ID: CV1066B-CS-SP

SAMPLE COLLECTION TIME: 1130

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1066B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.55066812</u>	N Longitude	<u>86.80155585</u>	W
	Media description:	<u>dk brn silty clay w/ gravel & coal moist</u>			
Aliquot #2:	Latitude:	<u>33.55078122</u>	N Longitude	<u>86.80156890</u>	W
	Media description:	<u>Same as #1 above</u>			
Aliquot #3:	Latitude:	<u>33.55071075</u>	N Longitude	<u>86.80149782</u>	W
	Media description:	<u>Same as #1 above</u>			
Aliquot #4:	Latitude:	<u>33.55074908</u>	N Longitude	<u>86.80143020</u>	W
	Media description:	<u>Same as #1 above</u>			
Aliquot #5:	Latitude:	<u>33.55067316</u>	N Longitude	<u>86.80143893</u>	W
	Media description:	<u>Same as #1 above</u>			

(b) (6)

ADDRESS:

PROPERTY ID:

CV1013

DATE:

4/16/13

ARRIVAL TIME:

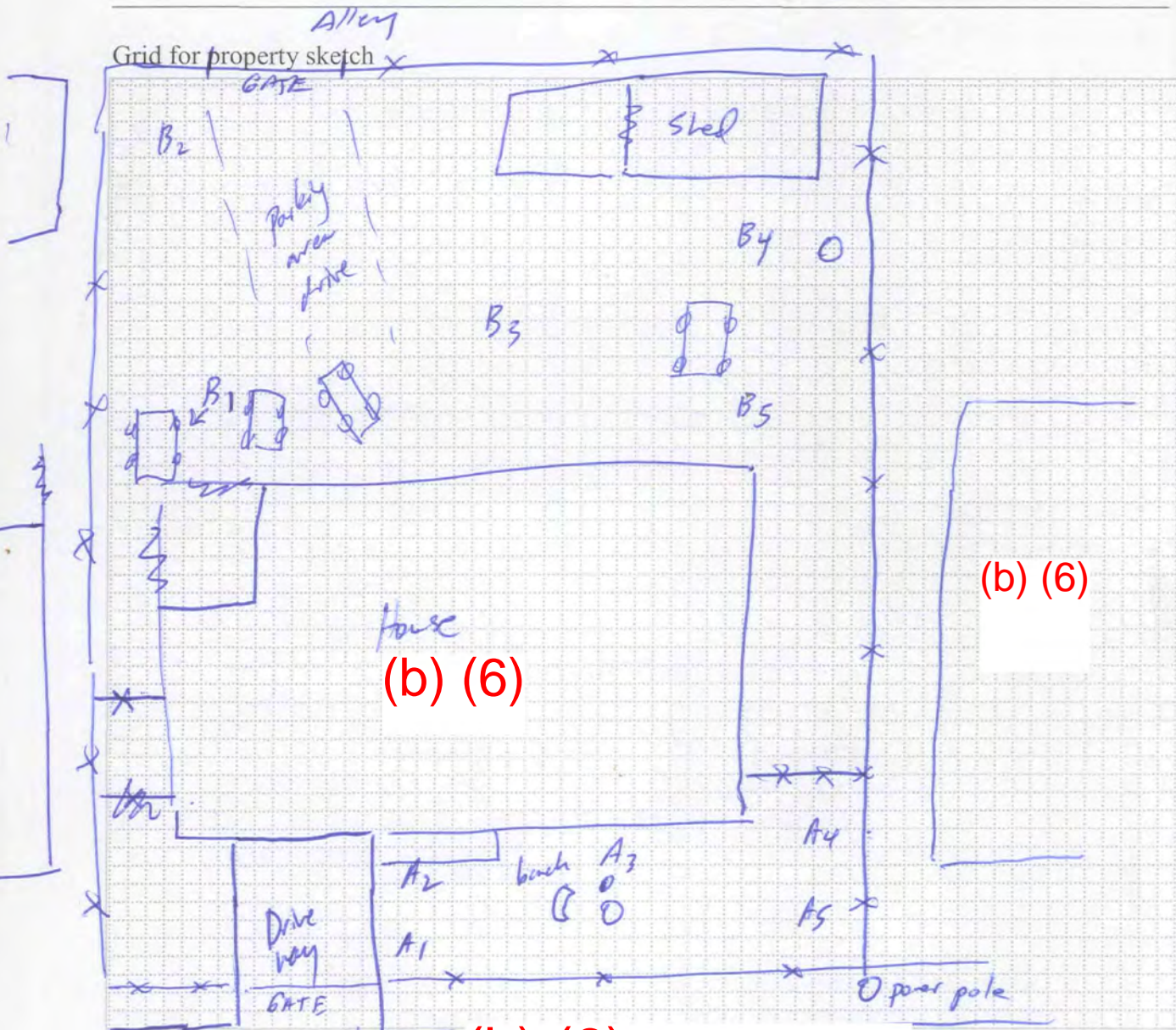
1325

Other pertinent information (weather conditions, etc.):

78°F, mostly cloudy, wind SE @ 5MPH

PROPERTY COMMENTS:

Resident @ home. 4 vehicles in backyard.
Split sample s w/ C. Troiano (6mc)



(b) (6)

(b) (6)

(b) (6)

STATION ID: CV1013A SAMPLE ID: CV1013A-CS-SP

SAMPLE COLLECTION TIME: 1345

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1013A

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.54958906</u>	N Longitude	<u>86.79701161</u>	W
Media description: <u>dk brn sand silt w/ some gravel moist</u>			
Aliquot #2: Latitude: <u>33.54961367</u>	N Longitude	<u>86.79701272</u>	W
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.54960427</u>	N Longitude	<u>86.79696980</u>	W
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.54961360</u>	N Longitude	<u>86.79692819</u>	W
Media description: <u>dk brn silty clay w/ coal frags. & gravel dry</u>			
Aliquot #5: Latitude: <u>33.54959043</u>	N Longitude	<u>86.79693573</u>	W
Media description: <u>Same as #4</u>			

STATION ID: CV1013B SAMPLE ID: CV1013B-CS-SP

SAMPLE COLLECTION TIME: 1400

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV1013B

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.54976928</u>	N Longitude	<u>86.79704217</u>	W
Media description: <u>dk brn/blk sandy silt w/ gravel & coal frags. moist</u>			
Aliquot #2: Latitude: <u>33.54986497</u>	N Longitude	<u>86.79706731</u>	W
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.54981370</u>	N Longitude	<u>86.79697106</u>	W
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.54984356</u>	N Longitude	<u>86.79692342</u>	W
Media description: <u>Same as #1</u>			
Aliquot #5: Latitude: <u>33.54978182</u>	N Longitude	<u>86.79691905</u>	W
Media description: <u>Same as #1</u>			

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0313

DATE: _____

4/16/13

ARRIVAL TIME: _____

1422

Other pertinent information (weather conditions, etc.):

81°F, mostly cloudy wnd S @ 7 mph

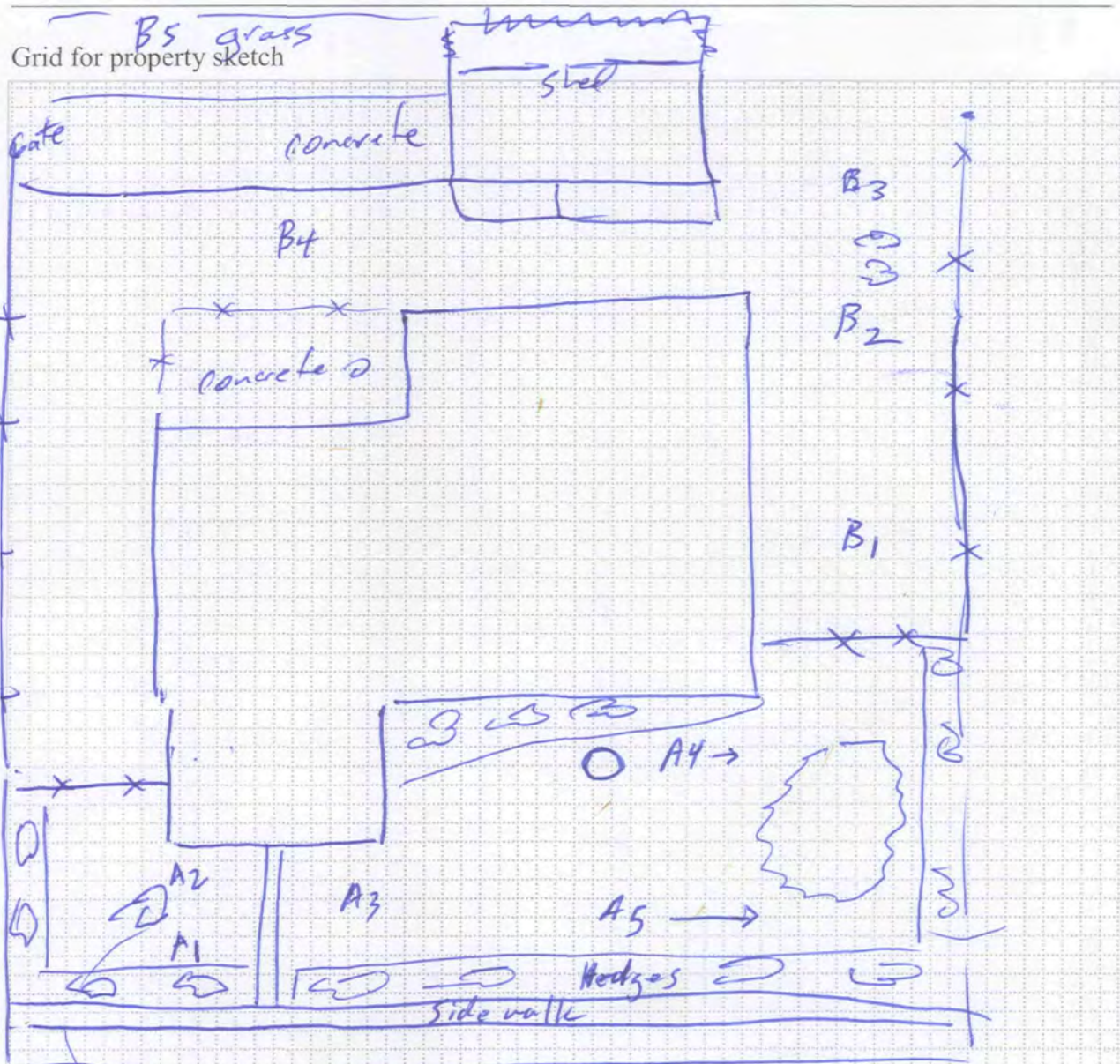
PROPERTY COMMENTS:

No resident @ home. Side gate unlocked.

Split samples w/ C. Thiano (GMC)

Small back yard.

Grid for property sketch



(b) (6)

STATION ID: CV0313A SAMPLE ID: CV0313A-CS-SP

SAMPLE COLLECTION TIME: 1440

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55639052</u>	N Longitude <u>86.80863820</u>	W
Media description: <u>dk brn silty clay w/ gravel & trace coal frags moist</u>		
Aliquot #2: Latitude: <u>33.55641993</u>	N Longitude <u>86.80864817</u>	W
Media description: <u>Same as #1</u>		
Aliquot #3: Latitude: <u>33.55641302</u>	N Longitude <u>86.80861090</u>	W
Media description: <u>Same as #1</u>		
Aliquot #4: Latitude: <u>33.55643116</u>	N Longitude <u>86.80854784</u>	W
Media description: <u>Same as #1</u>		
Aliquot #5: Latitude: <u>33.55639010</u>	N Longitude <u>86.80857269</u>	W
Media description: <u>Same as #1</u>		

STATION ID: CV0313B SAMPLE ID: CV0313B-CS-SP

SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

back & side yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0313B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55648747</u>	N Longitude <u>86.80850521</u>	W
Media description: <u>dk brn silty clay w/ gravel & coal frags. moist</u>		
Aliquot #2: Latitude: <u>33.55653561</u>	N Longitude <u>86.80851273</u>	W
Media description: <u>Same as #1</u>		
Aliquot #3: Latitude: <u>33.55658721</u>	N Longitude <u>86.80851014</u>	W
Media description: <u>Same as #1</u>		
Aliquot #4: Latitude: <u>33.55657501</u>	N Longitude <u>86.80861414</u>	W
Media description: <u>Same as #1</u>		
Aliquot #5: Latitude: <u>33.55667704</u>	N Longitude <u>86.80865868</u>	W
Media description: <u>Same as #1</u>		

(b) (6)

ADDRESS:

PROPERTY ID:

CV0423

DATE:

4/16/13

ARRIVAL TIME:

15/5

Other pertinent information (weather conditions, etc.):

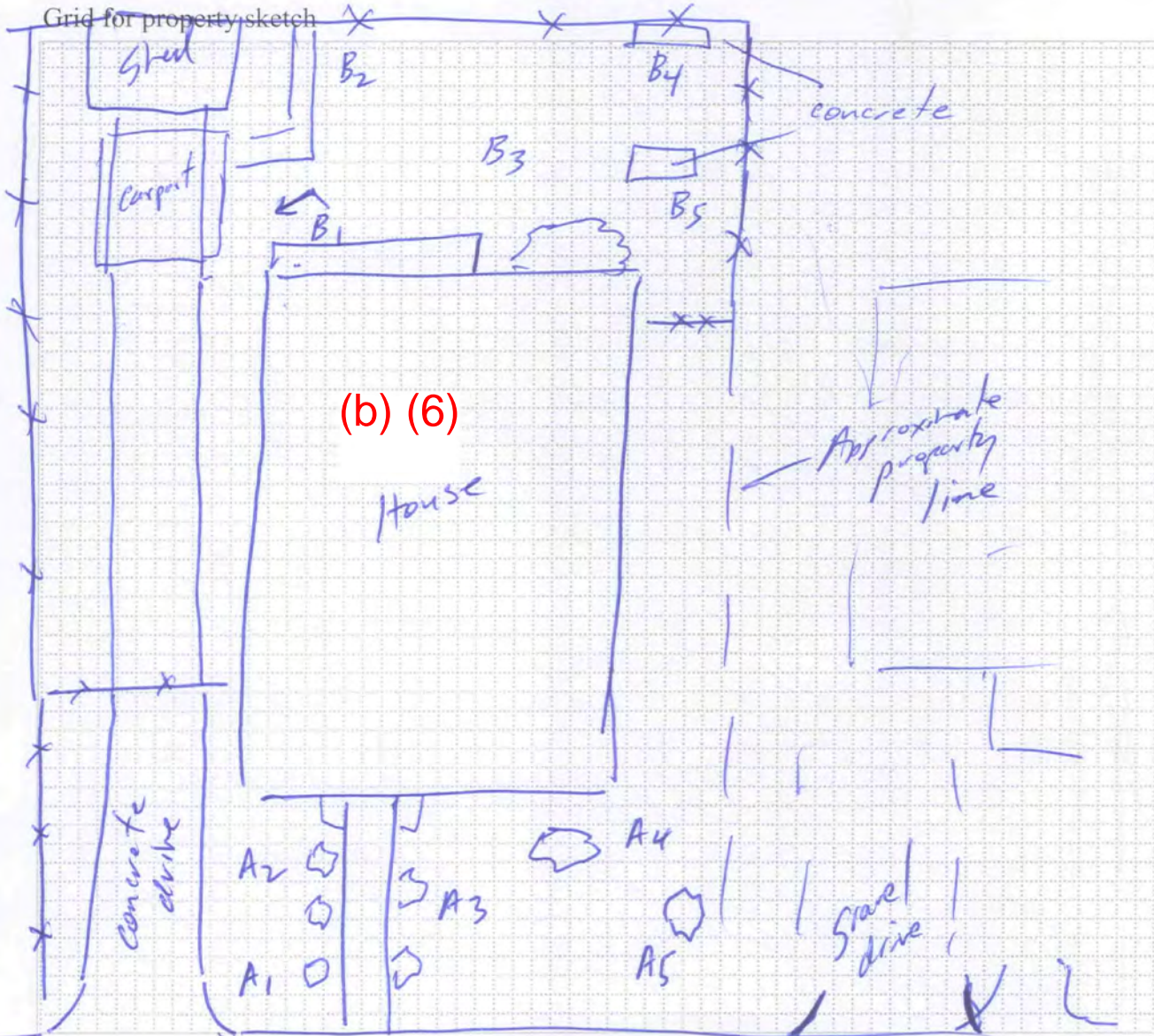
82°F, partly cloudy, wind SE @ 12MPH

PROPERTY COMMENTS:

Resident at home. Small front yard.
Split samples w/ C. Toriano (6me)

vacant undeveloped

Grid for property sketch



(b) (6)

(b) (6)

STATION ID: CV0423A SAMPLE ID: CV0423A-CS-SP

SAMPLE COLLECTION TIME: 1535

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55927551</u>	N Longitude: <u>86.79957053</u>	W
Media description: <u>dk brown silty clay w/ gravel moist</u>		
Aliquot #2: Latitude: <u>33.55925065</u>	N Longitude: <u>86.79960816</u>	W
Media description: <u>same as #1</u>		
Aliquot #3: Latitude: <u>33.55929113</u>	N Longitude: <u>86.79961019</u>	W
Media description: <u>same as #1</u>		
Aliquot #4: Latitude: <u>33.55930242</u>	N Longitude: <u>86.79964685</u>	W
Media description: <u>same as #1</u>		
Aliquot #5: Latitude: <u>33.55932568</u>	N Longitude: <u>86.79962839</u>	W
Media description: <u>same as #1</u>		

STATION ID: CV0423B SAMPLE ID: CV0423B-CS-SP

SAMPLE COLLECTION TIME: 1550

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0423B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55914720</u>	N Longitude: <u>86.79972343</u>	W
Media description: <u>dk brown silty clay w/ gravel dry</u>		
Aliquot #2: Latitude: <u>33.55909805</u>	N Longitude: <u>86.79979875</u>	W
Media description: <u>same as #1</u>		
Aliquot #3: Latitude: <u>33.55914514</u>	N Longitude: <u>86.79977227</u>	W
Media description: <u>same as #1</u>		
Aliquot #4: Latitude: <u>33.55913911</u>	N Longitude: <u>86.79983960</u>	W
Media description: <u>same as #1</u>		
Aliquot #5: Latitude: <u>33.55919066</u>	N Longitude: <u>86.799175189</u>	W
Media description: <u>same as #1</u>		

(b) (6)

ADDRESS:

PROPERTY ID: FM0296

DATE:

4/17/13

ARRIVAL TIME:

0840

Other pertinent information (weather conditions, etc.):

75°F, partly cloudy, wind E @ 4 mph

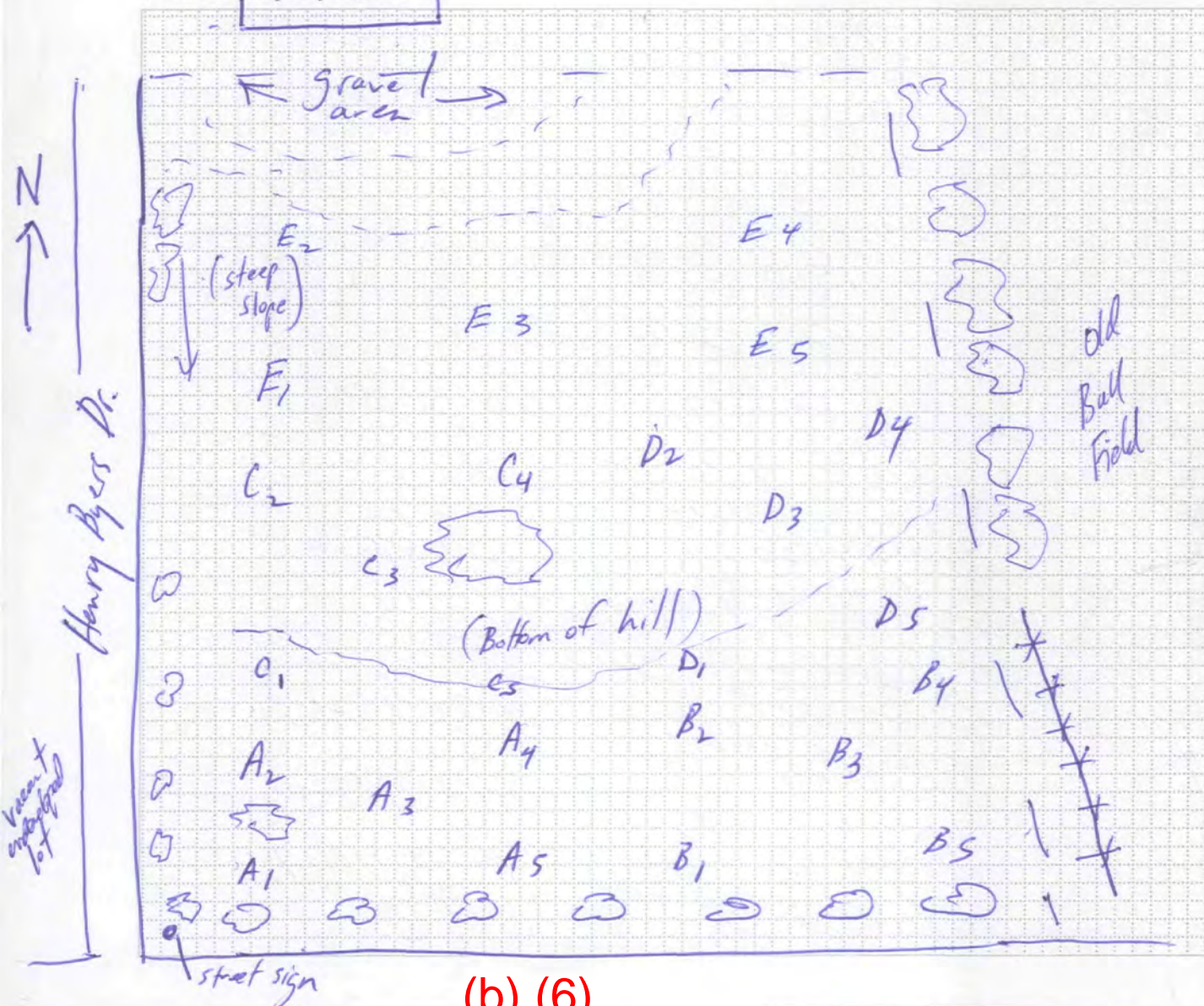
PROPERTY COMMENTS:

Vacant, undeveloped lot at bottom of hill
across from old abandoned school.

Split samples with C. Norano (GMC).

Lot slopes downhill steeply near midpoint

Grid for property sketch



(b) (6)

STATION ID: Fm0296ASAMPLE ID: Fm0296A-CS-SPSAMPLE COLLECTION TIME: 0925

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

southeast quarter of lot

Collection: Composite or Grab

MS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0296A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.56873231</u>	N Longitude	<u>86.80311596</u>	W
	Media description:	<u>dk brn silty clay w/ gravel & trace coal frags. moist</u>			
Aliquot #2:	Latitude:	<u>33.56885001</u>	N Longitude	<u>86.80312741</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.56878294</u>	N Longitude	<u>86.80304042</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.56886589</u>	N Longitude	<u>86.80298420</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.56873352</u>	N Longitude	<u>86.80296360</u>	W
	Media description:	<u>dk brn/orange clay w/ gravel moist</u>			

STATION ID: Fm0296BSAMPLE ID: Fm0296B-CS-SPSAMPLE COLLECTION TIME: 0940

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

southeast quarter of lot

Collection: Composite or Grab

MS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: Fm0296B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.56872143</u>	N Longitude	<u>86.80285650</u>	W
	Media description:	<u>dk brn/orange clay w/ gravel moist</u>			
Aliquot #2:	Latitude:	<u>33.568817637</u>	N Longitude	<u>86.80284775</u>	W
	Media description:	<u>dk brn silty clay w/ gravel & trace coal frags moist</u>			
Aliquot #3:	Latitude:	<u>33.56878741</u>	N Longitude	<u>86.80275730</u>	W
	Media description:	<u>same as #2</u>			
Aliquot #4:	Latitude:	<u>33.56884494</u>	N Longitude	<u>86.80269804</u>	W
	Media description:	<u>same as #2</u>			
Aliquot #5:	Latitude:	<u>33.56872020</u>	N Longitude	<u>86.80265845</u>	W
	Media description:	<u>same as #1</u>			

ADDRESS: _____ PROPERTY ID: _____

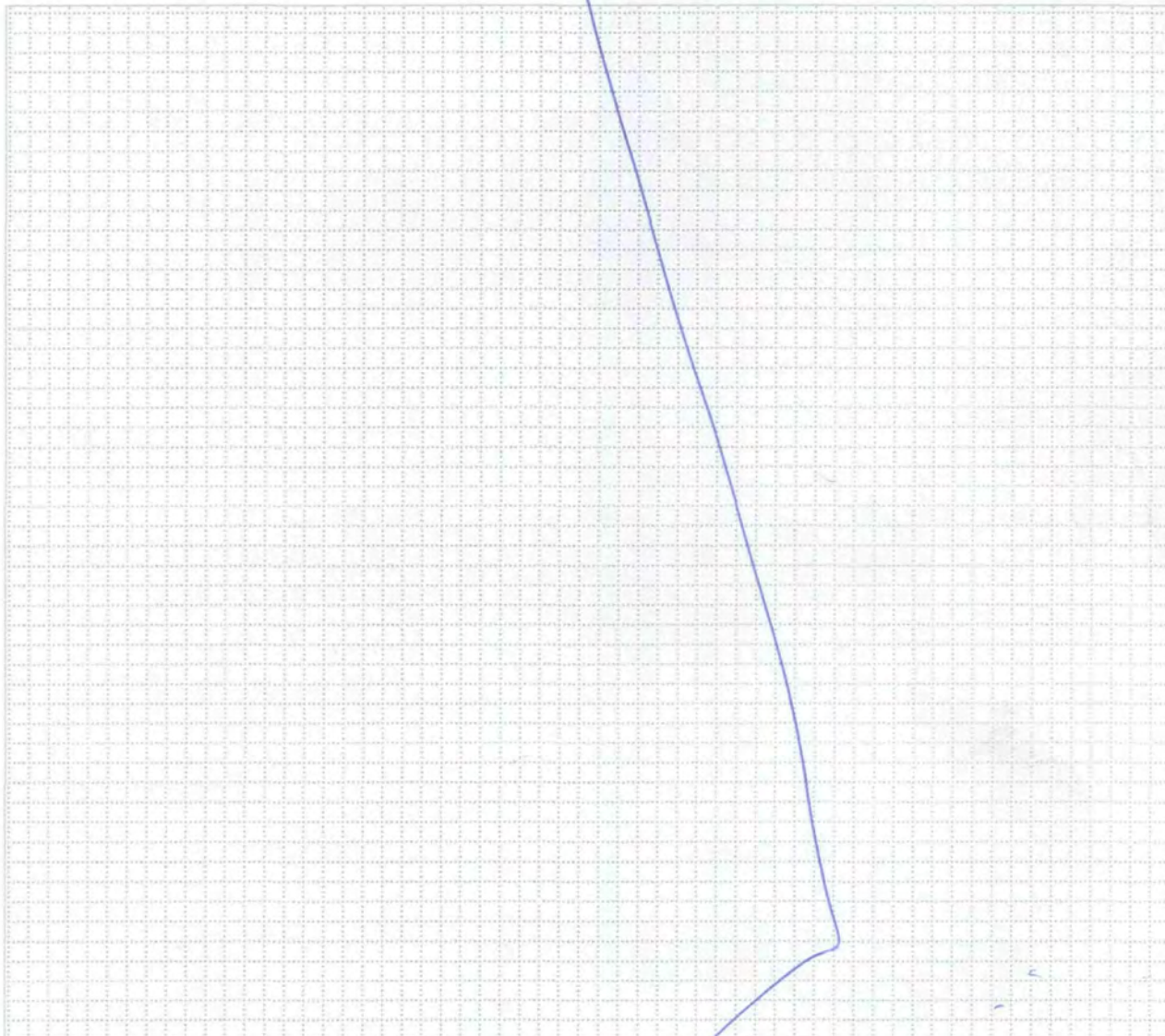
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE PG.
28

Grid for property sketch



STATION ID: Fm0296 C SAMPLE ID: Fm0296C-CS-SP

SAMPLE COLLECTION TIME: 0955

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Northwest quarter of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: Fm0296C

GPS Coordinates: Trimble <u>H</u> Instrument #: <u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56888529</u>	N Longitude <u>86.80313719</u> W
Media description: <u>dk brown silty clay w/ gravel & coal frags dry</u>	
Aliquot #2: Latitude: <u>33.56904484</u>	N Longitude <u>86.80312211</u> W
Media description: <u>Same as #1</u>	
Aliquot #3: Latitude: <u>33.56896076</u>	N Longitude <u>86.80303418</u> W
Media description: <u>Same as #1</u>	
Aliquot #4: Latitude: <u>33.56908288</u>	N Longitude <u>86.80299218</u> W
Media description: <u>Same as #1</u>	
Aliquot #5: Latitude: <u>33.56889001</u>	N Longitude <u>86.80299156</u> W
Media description: <u>Same as #1</u>	

STATION ID: Fm0296 D SAMPLE ID: Fm0296D-CS-SP

SAMPLE COLLECTION TIME: 1010

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

northeast quarter of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split Yes or No If yes, indicate Duplicate/split sample station ID: Fm0296D

GPS Coordinates: Trimble <u>H</u> Instrument #: <u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.56890457</u>	N Longitude <u>86.80285646</u> W
Media description: <u>DK BWN silty clay w/ GRAVEL & COAL FRAGMENTS, DRY</u>	
Aliquot #2: Latitude: <u>33.569017832</u>	N Longitude <u>86.80289783</u> W
Media description: <u>Same as #1</u>	
Aliquot #3: Latitude: <u>33.56900293</u>	N Longitude <u>86.80280462</u> W
Media description: <u>Same as #1</u>	
Aliquot #4: Latitude: <u>33.56908077</u>	N Longitude <u>86.80274941</u> W
Media description: <u>Same as #1</u>	
Aliquot #5: Latitude: <u>33.56892518</u>	N Longitude <u>86.80271125</u> W
Media description: <u>Same as #1</u>	

ADDRESS: _____ PROPERTY ID: _____

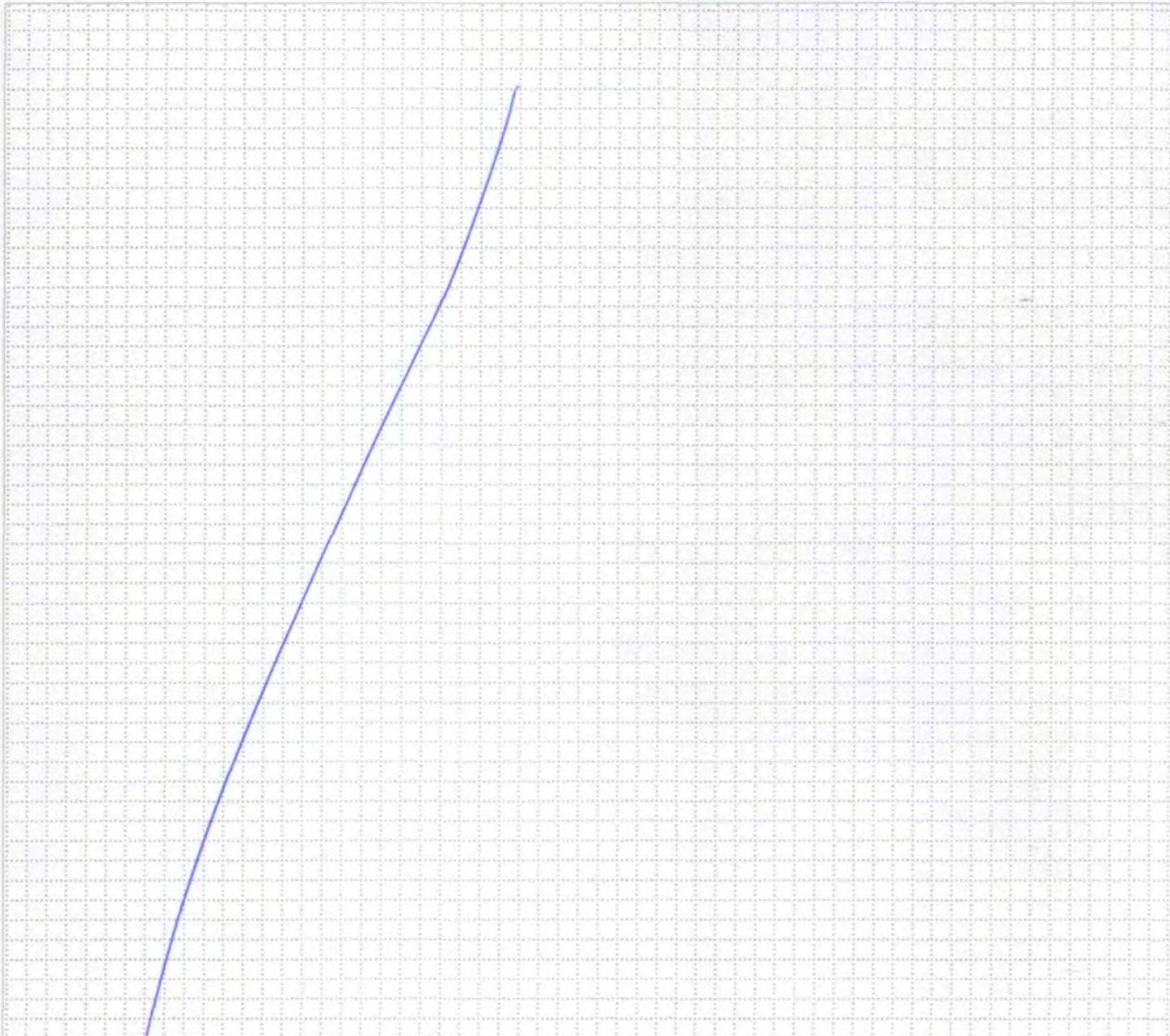
DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

SEE PG 28

Grid for property sketch



STATION ID: FM0296E SAMPLE ID: FM0296E-CS-SP

SAMPLE COLLECTION TIME: 1035

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

North side of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0296E

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	<u>33.56916559</u>	N Longitude	<u>86.80307714</u> W
Media description:	<u>dk brn silty clay w/ gravel & coal frags dry</u>		
Aliquot #2: Latitude:	<u>33.56926138</u>	N Longitude	<u>86.80309847</u> W
Media description:	<u>Same as #1</u>		
Aliquot #3: Latitude:	<u>33.56921374</u>	N Longitude	<u>86.80297616</u> W
Media description:	<u>Same as #1</u>		
Aliquot #4: Latitude:	<u>33.56927547</u>	N Longitude	<u>86.80288299</u> W
Media description:	<u>Same as #1</u>		
Aliquot #5: Latitude:	<u>33.56916259</u>	N Longitude	<u>86.80284152</u> W
Media description:	<u>Same as #1</u>		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble []	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #2: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #3: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #4: Latitude:	_____	N Longitude	_____ W
Media description:	_____		
Aliquot #5: Latitude:	_____	N Longitude	_____ W
Media description:	_____		

ADDRESS: _____

(b) (6)

DATE: 7/17/13

PROPERTY ID: #P0234

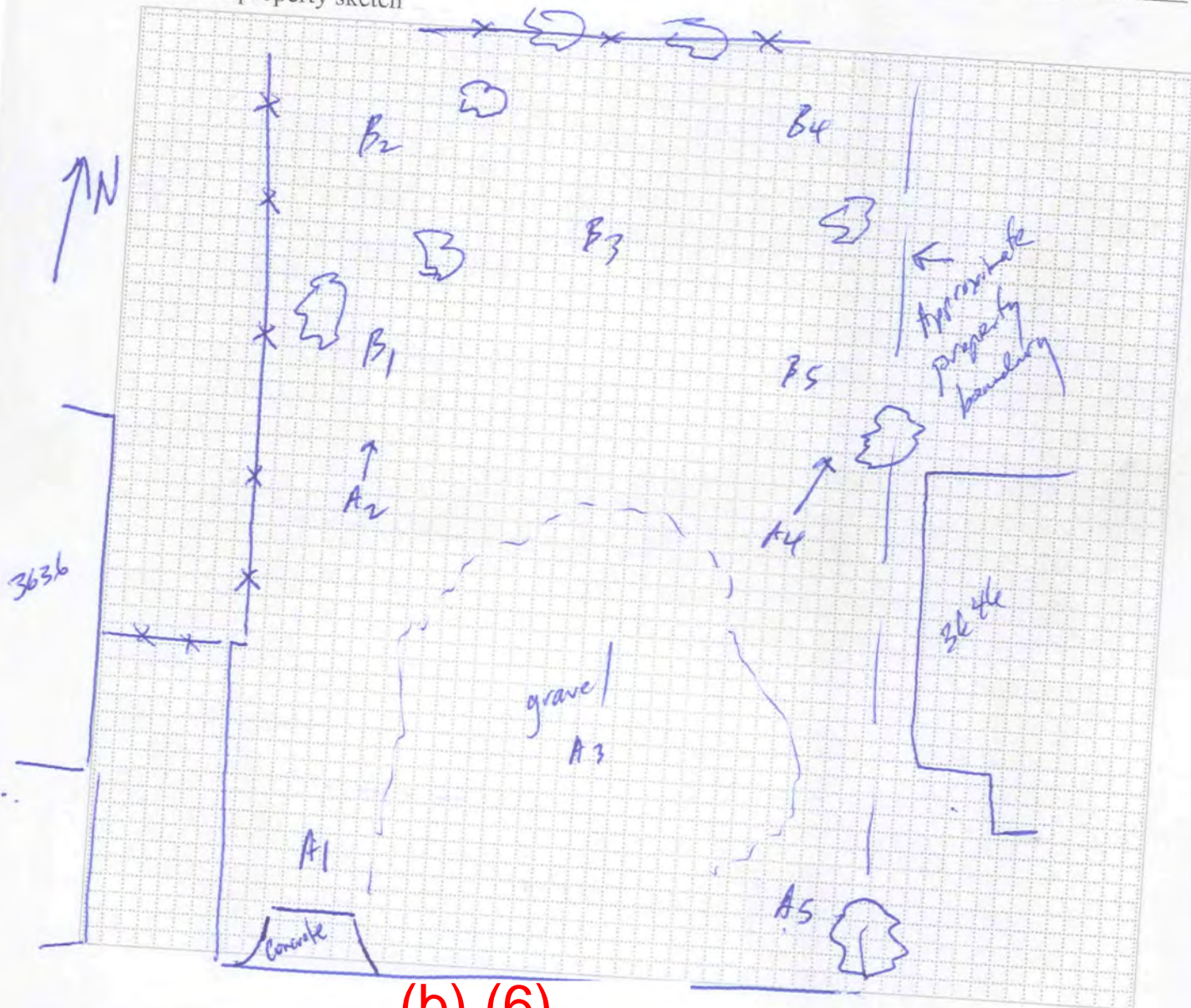
ARRIVAL TIME: 1100

Other pertinent information (weather conditions, etc.): _____

PROPERTY COMMENTS:

vacant, undeveloped lot between 3636 &
3646. Split samples w/ C. Moiano.
Large amount of gravel on street
side of lot @ surface.

Grid for property sketch



(b) (6)

STATION ID: HP0234A SAMPLE ID: HP0234A-CS-SP

SAMPLE COLLECTION TIME: 1120

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

front 1/4 (street) side of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0234A

GPS Coordinates: Trimble ☒ Instrument #: 18594 Logged? ☒ or N

Aliquot #1: Latitude: 33.56675491 N Longitude 86.79201370 W

Media description: dk brown sandy silt w/ gravel & coal frags dry

Aliquot #2: Latitude: 33.56691041 N Longitude 86.79201177 W

Media description: same as #1

Aliquot #3: Latitude: 33.56682758 N Longitude 86.79195093 W

Media description: reddish orange clay w/ gravel & some coal frags dry

Aliquot #4: Latitude: 33.56690684 N Longitude 86.79191269 W

Media description: same as #1

Aliquot #5: Latitude: 33.56674927 N Longitude 86.79191396 W

Media description: same as #1

STATION ID: HP0234B SAMPLE ID: HP0234B-CS-SP

SAMPLE COLLECTION TIME: 1130

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back 1/2 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0234B

GPS Coordinates: Trimble ☒ Instrument #: 18594 Logged? ☒ or N

Aliquot #1: Latitude: 33.56693803 N Longitude 86.79201239 W

Media description: dk brown sandy silt w/ gravel & coal frags. dry

Aliquot #2: Latitude: 33.56708218 N Longitude 86.79197423 W

Media description: dk brown silty clay w/ gravel & coal frags. dry

Aliquot #3: Latitude: 33.56702289 N Longitude 86.79195617 W

Media description: same as #2

Aliquot #4: Latitude: 33.56708595 N Longitude 86.79189729 W

Media description: same as #2

Aliquot #5: Latitude: 33.56695052 N Longitude 86.79191204 W

Media description: same as #2

(b) (6)

ADDRESS:

PROPERTY ID: CV05/6

DATE:

4/17/13

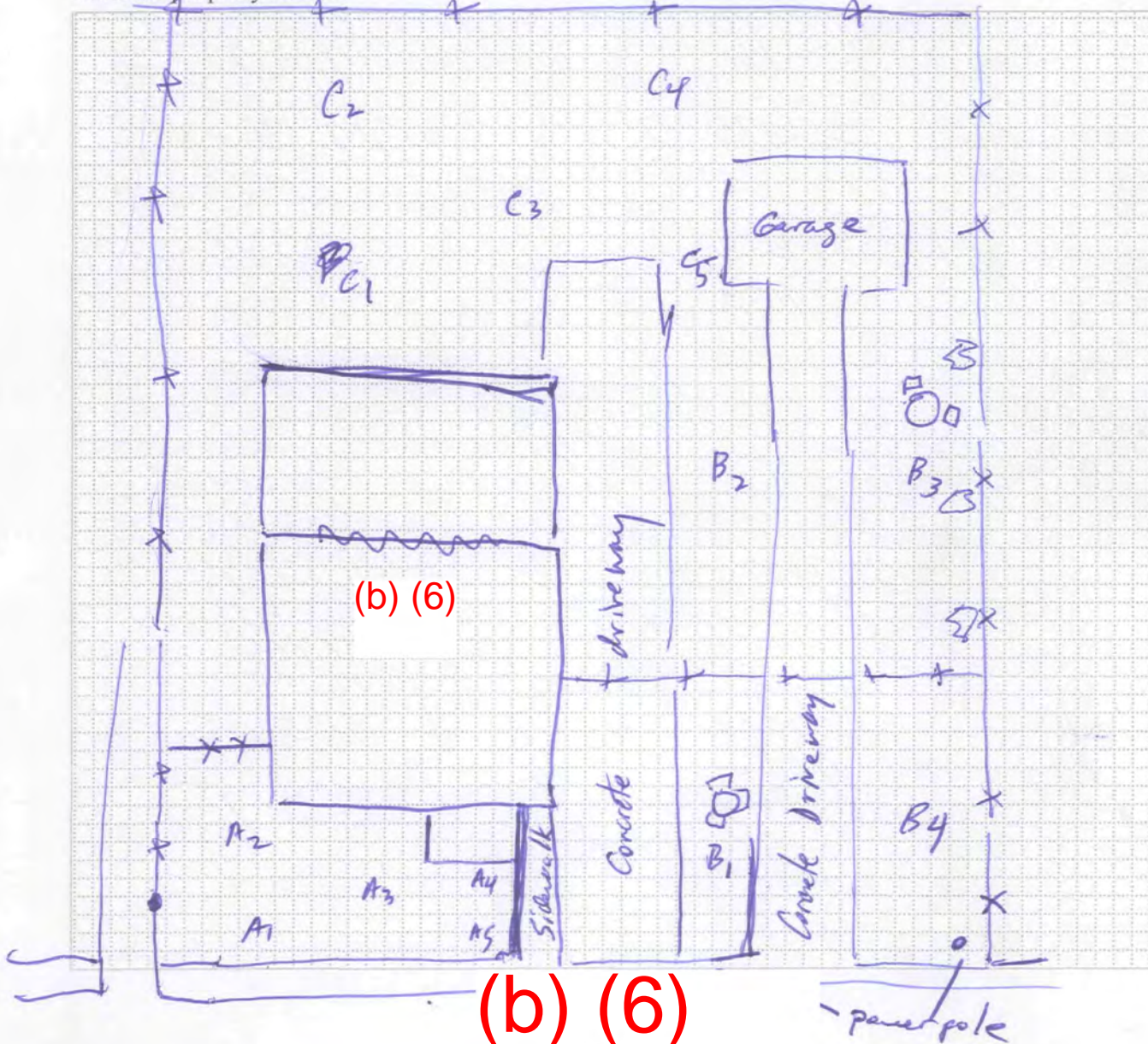
ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

83°F, partly cloudy, wind SE 11 mph

PROPERTY COMMENTS:

Grid for property sketch



(b) (6)

STATION ID: CV0516ASAMPLE ID: CV0516A-CS-SPSAMPLE COLLECTION TIME: 1340Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0516A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55677089</u>	N Longitude <u>86.79712822</u>	W
Media description: <u>brn silty clay w/ gravel & coal fragments dry</u>		
Aliquot #2: Latitude: <u>33.55670260</u>	N Longitude <u>86.79712800</u>	W
Media description: <u>Same as #1</u>		
Aliquot #3: Latitude: <u>33.55675054</u>	N Longitude <u>86.79716601</u>	W
Media description: <u>Same as #1</u>		
Aliquot #4: Latitude: <u>33.55673518</u>	N Longitude <u>86.79720720</u>	W
Media description: <u>Same as #1</u>		
Aliquot #5: Latitude: <u>33.55677828</u>	N Longitude <u>86.79719352</u>	W
Media description: <u>Same as #1</u>		

STATION ID: CV0516BSAMPLE ID: CV0516B-CS-SPSAMPLE COLLECTION TIME: 1350Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0516B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55672216</u>	N Longitude <u>86.79728944</u>	W
Media description: <u>dk brn silty clay w/ gravel / coal frags + bldg material (brick) dry</u>		
Aliquot #2: Latitude: <u>33.55659948</u>	N Longitude <u>86.79728977</u>	W
Media description: <u>Same as #1</u>		
Aliquot #3: Latitude: <u>33.55659950</u>	N Longitude <u>86.79740353</u>	W
Media description: <u>Same as #1</u>		
Aliquot #4: Latitude: <u>33.55672946</u>	N Longitude <u>86.79740582</u>	W
Media description: <u>Same as #1</u>		
Aliquot #5: Latitude: _____	N Longitude _____	W
Media description: _____		

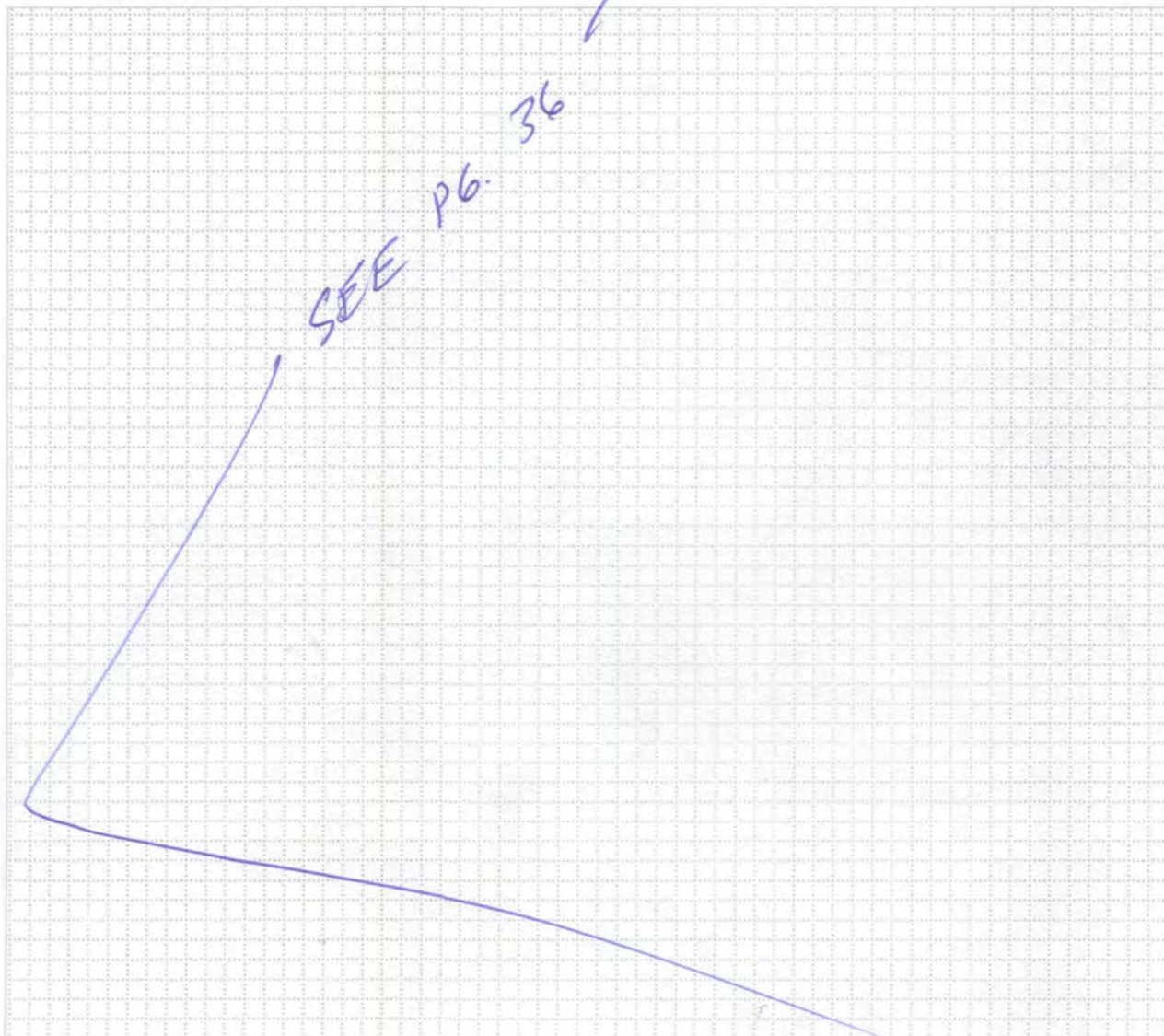
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0516C SAMPLE ID: CV0516C-CS-SP

SAMPLE COLLECTION TIME: 1400

Description of sample location (front, ~~back~~, side ~~yard~~, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0516C

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>18594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55652328</u>	N Longitude: <u>86.79717405</u>	W
Media description: <u>brown silty clay w/ gravel coal frags + bldg. debris</u>		
Aliquot #2: Latitude: <u>33.55648380</u>	N Longitude: <u>86.79717909</u>	W
Media description: <u>Same as #1</u>		
Aliquot #3: Latitude: <u>33.55651296</u>	N Longitude: <u>86.79721164</u>	W
Media description: <u>Same as #1</u>		
Aliquot #4: Latitude: <u>33.55647889</u>	N Longitude: <u>86.79728006</u>	W
Media description: <u>Same as #1</u>		
Aliquot #5: Latitude: <u>33.55655842</u>	N Longitude: <u>86.79728504</u>	W
Media description: <u>Same as #1</u>		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input type="checkbox"/>	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #2: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude: _____	W
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude: _____	W
Media description: _____		

(b) (6)

ADDRESS:

PROPERTY ID:

HP0311

DATE:

4/17/13

ARRIVAL TIME:

1430

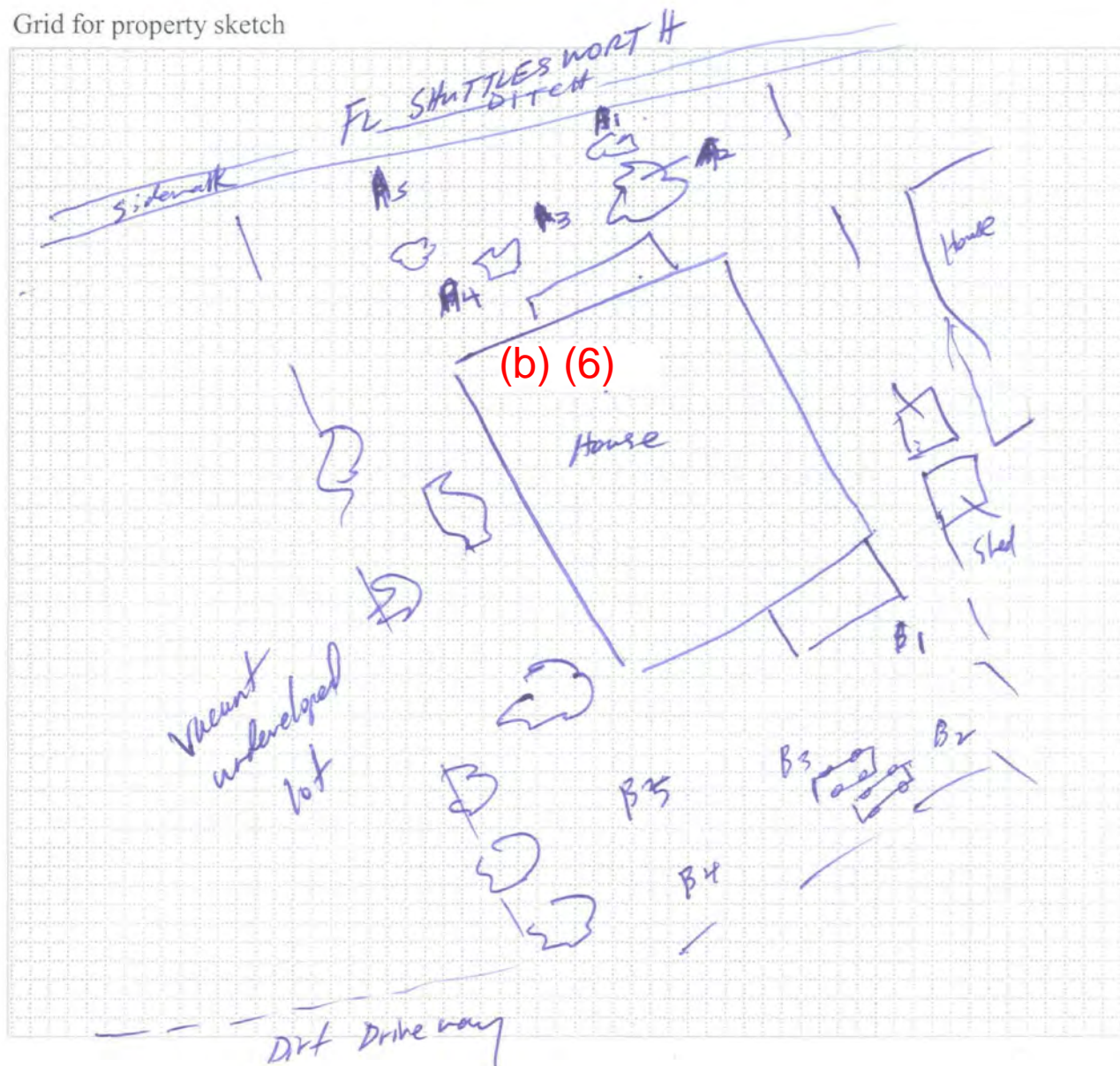
Other pertinent information (weather conditions, etc.):

84°F, cloudy, wind SSE @ 8 mph

PROPERTY COMMENTS:

vacant house. Split samples w/
C. Troiano (6mc).

Grid for property sketch



STATION ID: HP0311A SAMPLE ID: HP0311A-CS-SP

SAMPLE COLLECTION TIME: 1500

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0311A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.56735944</u>	N Longitude	<u>86.79316086</u>	W
	Media description:	<u>dk brown silty clay w/ gravel & coal frags. moist</u>			
Aliquot #2:	Latitude:	<u>33.56730366</u>	N Longitude	<u>86.79312033</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #3:	Latitude:	<u>33.56732638</u>	N Longitude	<u>86.79316717</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.56731808</u>	N Longitude	<u>86.79316317</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.56732391</u>	N Longitude	<u>86.79320711</u>	W
	Media description:	<u>same as #1</u>			

STATION ID: HP0311B SAMPLE ID: HP0311B-CS-SP

SAMPLE COLLECTION TIME: 1510

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0311B

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> or N
Aliquot #1:	Latitude:	<u>33.56715816</u>	N Longitude	<u>86.79301702</u>	W
	Media description:	<u>dk brown silty clay w/ gravel & coal frags. moist</u>			
Aliquot #2:	Latitude:	<u>33.56705665</u>	N Longitude	<u>86.79292156</u>	W
	Media description:	<u>orange sandy silt w/ gravel & coal frags. moist</u>			
Aliquot #3:	Latitude:	<u>33.56708749</u>	N Longitude	<u>86.79298952</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #4:	Latitude:	<u>33.56702602</u>	N Longitude	<u>86.79298142</u>	W
	Media description:	<u>same as #1</u>			
Aliquot #5:	Latitude:	<u>33.56713067</u>	N Longitude	<u>86.79304625</u>	W
	Media description:	<u>same as #1</u>			

STATION ID: HP0064A SAMPLE ID: HP0064A-CS-SP

SAMPLE COLLECTION TIME: 0915

Description of sample location (front back, side yard; vegetable garden; play set; ditch, etc):

front 1/2 (street side) of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0064A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56401832</u>	N Longitude	<u>86.79169064</u>	W
	Media description:	<u>DK BWN SILTY CLAY w/ GRAVEL, COAL FRAGS + BUILDING DEBRIS, DRY</u>			
Aliquot #2:	Latitude:	<u>33.56414604</u>	N Longitude	<u>86.79169531</u>	W
	Media description:	<u>SAME AS #1</u>			
Aliquot #3:	Latitude:	<u>33.56408233</u>	N Longitude	<u>86.79166994</u>	W
	Media description:	<u>SAME AS #1</u>			
Aliquot #4:	Latitude:	<u>33.56413780</u>	N Longitude	<u>86.79167548</u>	W
	Media description:	<u>SAME AS #1</u>			
Aliquot #5:	Latitude:	<u>33.56402175</u>	N Longitude	<u>86.79163602</u>	W
	Media description:	<u>SAME AS #1</u>			

STATION ID: HP0064B SAMPLE ID: HP0064B-CS-SP

SAMPLE COLLECTION TIME: 0930

Description of sample location (back front, side yard; vegetable garden; play set; ditch, etc):

back 1/2 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0064B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>18594</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.56420519</u>	N Longitude	<u>86.79170728</u>	W
	Media description:	<u>DK BWN SILTY CLAY, DRY, GRAVEL + COAL FRAGS</u>			
Aliquot #2:	Latitude:	<u>33.56432938</u>	N Longitude	<u>86.79170537</u>	W
	Media description:	<u>SAME AS #1</u>			
Aliquot #3:	Latitude:	<u>33.56425778</u>	N Longitude	<u>86.79167323</u>	W
	Media description:	<u>SAME AS #1</u>			
Aliquot #4:	Latitude:	<u>33.56435553</u>	N Longitude	<u>86.79164117</u>	W
	Media description:	<u>SAME AS #1</u>			
Aliquot #5:	Latitude:	<u>33.56419962</u>	N Longitude	<u>86.79164245</u>	W
	Media description:	<u>SAME AS #1</u>			

STATION ID:

HP006XA

SAMPLE ID:

HP006XA-CS-SP

SAMPLE COLLECTION TIME:

1005

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front 1/2 (street side) of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

HP006XA

GPS Coordinates: Trimble ☒ Instrument #: 18594 Logged? ☒ or N

Aliquot #1: Latitude: 33.56402872 N Longitude: 86.79183687 W

Media description: dk brown silty clay w/ gravel & coal frags dry

Aliquot #2: Latitude: 33.56417669 N Longitude: 86.79182701 W

Media description: dk brown silt clay w/ gravel coal frags & bldg debris dry

Aliquot #3: Latitude: 33.56408244 N Longitude: 86.79180508 W

Media description: same as #1

Aliquot #4: Latitude: 33.56416930 N Longitude: 86.79175813 W

Media description: same as #1

Aliquot #5: Latitude: 33.56409291 N Longitude: 86.79177268 W

Media description: same as #1

STATION ID:

HP006XB

SAMPLE ID:

HP006XB-CS-SP

SAMPLE COLLECTION TIME:

1020

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

back 1/2 of lot

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

HP006XB

GPS Coordinates: Trimble ☒ Instrument #: 18594 Logged? ☒ or N

Aliquot #1: Latitude: 33.56421244 N Longitude: 86.79184117 W

Media description: dk brown silty clay w/ gravel coal frags & bldg debris dry

Aliquot #2: Latitude: 33.56432677 N Longitude: 86.79182174 W

Media description: same as #1

Aliquot #3: Latitude: 33.56427925 N Longitude: 86.79179482 W

Media description: same as #1

Aliquot #4: Latitude: 33.56431450 N Longitude: 86.79175409 W

Media description: dk brown sandy silt w/ wire fluff material dry

Aliquot #5: Latitude: 33.56421001 N Longitude: 86.79176216 W

Media description: same as #1

(b) (6)

ADDRESS

PROPERTY ID:

CV1332

DATE:

4/18/13

ARRIVAL TIME:

1150

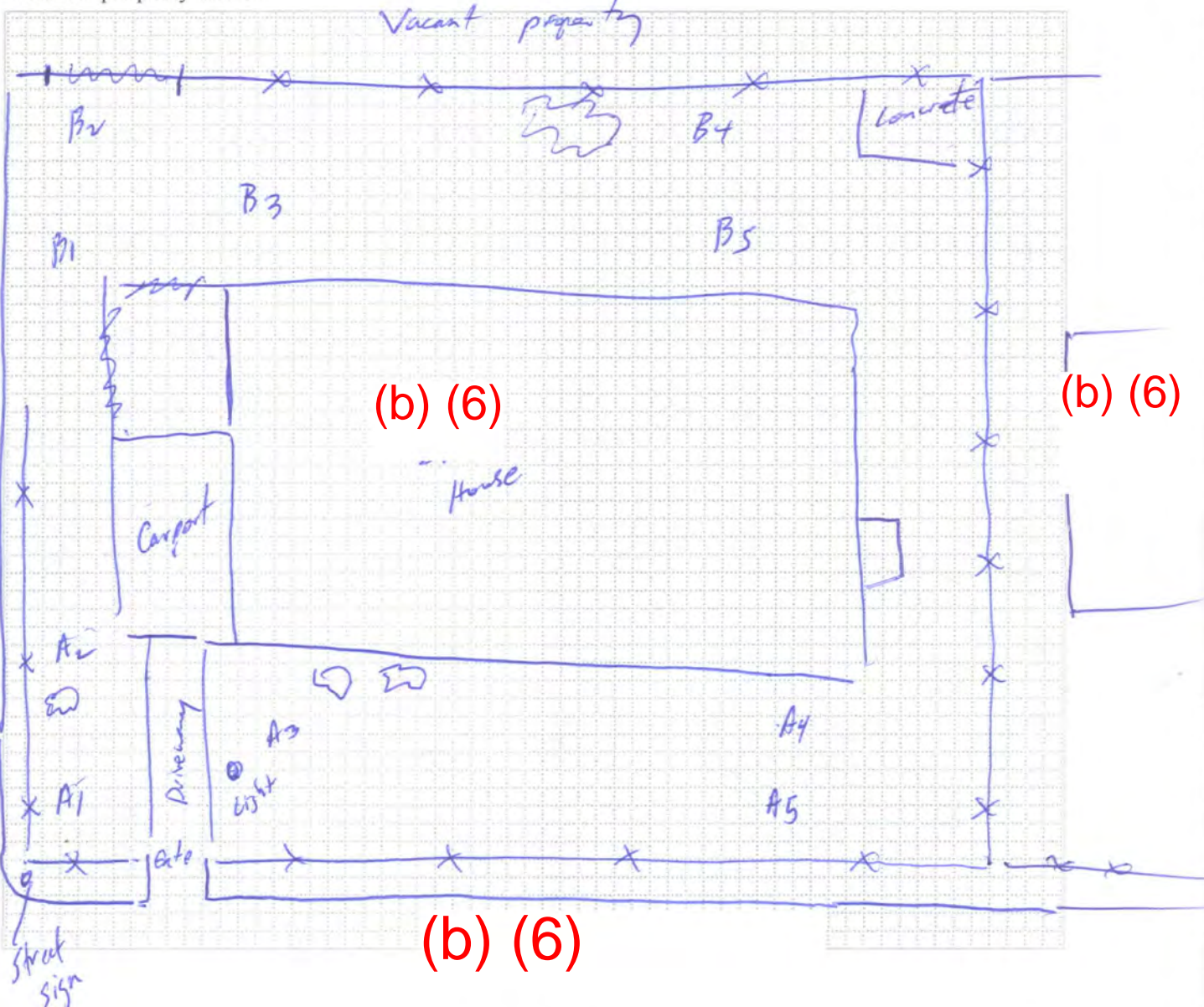
Other pertinent information (weather conditions, etc.):

81°F, sunny, wind SSE @ 5-10 mph

PROPERTY COMMENTS:

Resident @ home. Nonrepresented property

Grid for property sketch



STATION ID: CV1332A SAMPLE ID: CV1332A-CS

SAMPLE COLLECTION TIME: 1215

Description of sample location (~~front~~, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55151138</u>	N Longitude: <u>86.79918657</u>	W	
Media description: <u>brn silty clay w/ gravel dry</u>			
Aliquot #2 Latitude: <u>33.5515150795</u>	N Longitude: <u>86.79923307</u>	W	
Media description: <u>same as #1</u>			
Aliquot #3: Latitude: <u>33.55157377</u>	N Longitude: <u>86.79920219</u>	W	
Media description: <u>brn silty clay w/ gravel + coal frags dry</u>			
Aliquot #4: Latitude: <u>33.55161821</u>	N Longitude: <u>86.79922404</u>	W	
Media description: <u>same as #1</u>			
Aliquot #5: Latitude: <u>33.55161569</u>	N Longitude: <u>86.79918054</u>	W	
Media description: <u>same as #1</u>			

STATION ID: CV1332B SAMPLE ID: CV1332B-CS

SAMPLE COLLECTION TIME: 12:25

Description of sample location (front, ~~back~~, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55151389</u>	N Longitude: <u>86.79935026</u>	W	
Media description: <u>brn silty clay w/ gravel dry</u>			
Aliquot #2 Latitude: <u>33.55151607</u>	N Longitude: <u>86.79942735</u>	W	
Media description: <u>brn silty clay w/ gravel + coal frags dry</u>			
Aliquot #3: Latitude: <u>33.55155605</u>	N Longitude: <u>86.79940483</u>	W	
Media description: <u>same as #1</u>			
Aliquot #4: Latitude: <u>33.55161375</u>	N Longitude: <u>86.79940897</u>	W	
Media description: <u>brn sandy silt w/ gravel dry</u>			
Aliquot #5: Latitude: <u>33.55161002</u>	N Longitude: <u>86.79938111</u>	W	
Media description: <u>same as #4</u>			

(b) (6)

ADDRESS

PROPERTY ID: CV1334

DATE:

4/18/13

ARRIVAL TIME:

1232

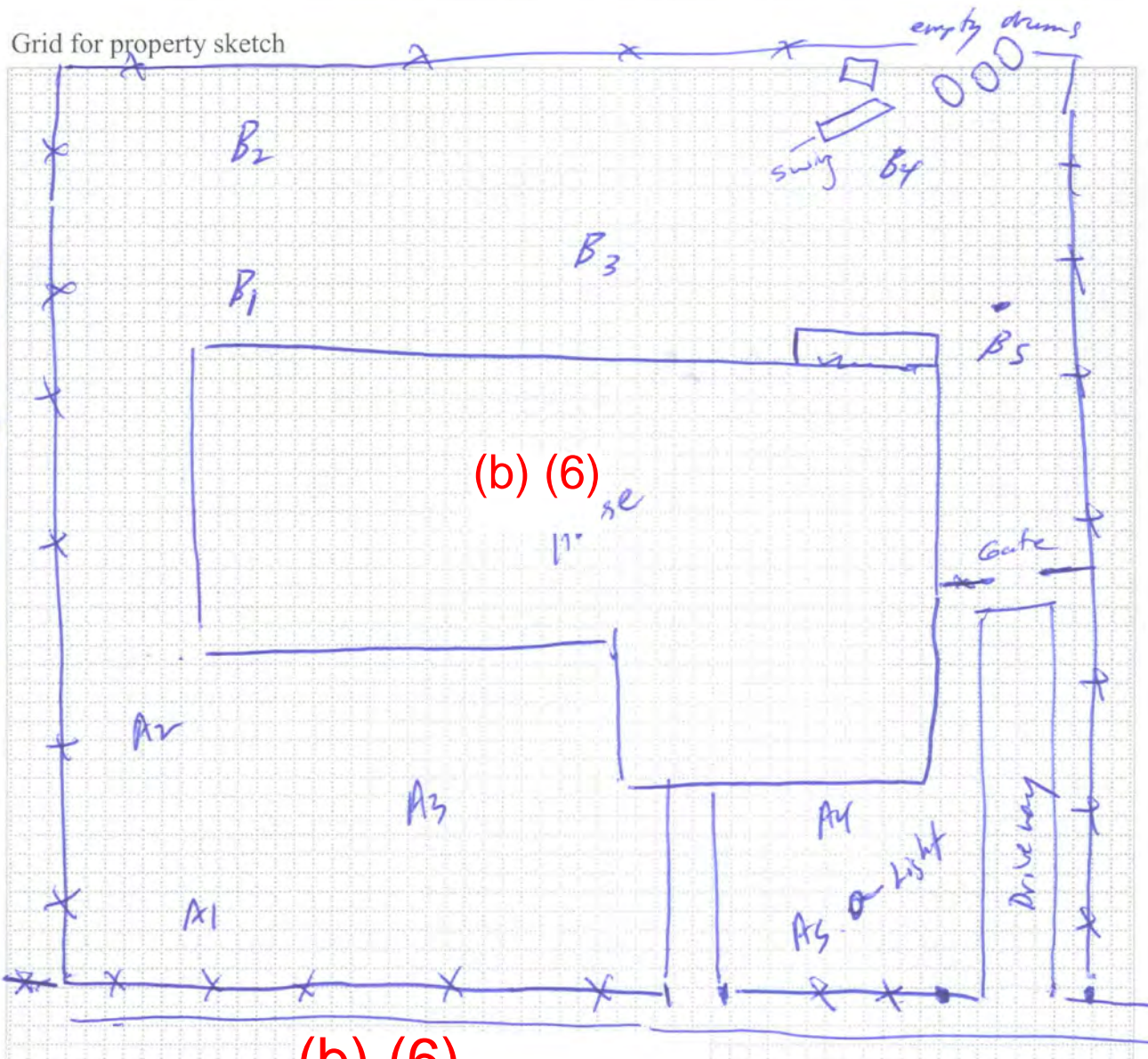
Other pertinent information (weather conditions, etc.):

81°, partly cloudy, wind S @ 10 mph

PROPERTY COMMENTS:

No one @ home.

Grid for property sketch



(b) (6)

STATION ID: CV1334A SAMPLE ID: CV1334A-CS

SAMPLE COLLECTION TIME: 1245

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>1854</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55165582</u>	N Longitude: <u>86.79919068</u>	W	
Media description: <u>brn sandy silt w/ some gravel dry</u>			
Aliquot #2: Latitude: <u>33.55165806</u>	N Longitude: <u>86.79923344</u>	W	
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.55170199</u>	N Longitude: <u>86.79919633</u>	W	
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.55176588</u>	N Longitude: <u>86.79921938</u>	W	
Media description: <u>dk brn sandy silt w/ gravel + coal frags dry</u>			
Aliquot #5: Latitude: <u>33.55175720</u>	N Longitude: <u>86.79918527</u>	W	
Media description: <u>Same as #1</u>			

STATION ID: CV1334B SAMPLE ID: CV1334B-CS

SAMPLE COLLECTION TIME: 1300

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55167165</u>	N Longitude: <u>86.79936468</u>	W	
Media description: <u>brn silty clay w/ gravel + coal frags dry</u>			
Aliquot #2: Latitude: <u>33.55167416</u>	N Longitude: <u>86.79940788</u>	W	
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.55171551</u>	N Longitude: <u>86.79940242</u>	W	
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.55174911</u>	N Longitude: <u>86.79943083</u>	W	
Media description: <u>Same as #1</u>			
Aliquot #5: Latitude: <u>33.55179409</u>	N Longitude: <u>86.79937855</u>	W	
Media description: <u>Same as #1</u>			

(b) (6)

ADDRESS:

PROPERTY ID: CV1150

DATE:

4/18/13

ARRIVAL TIME:

1315

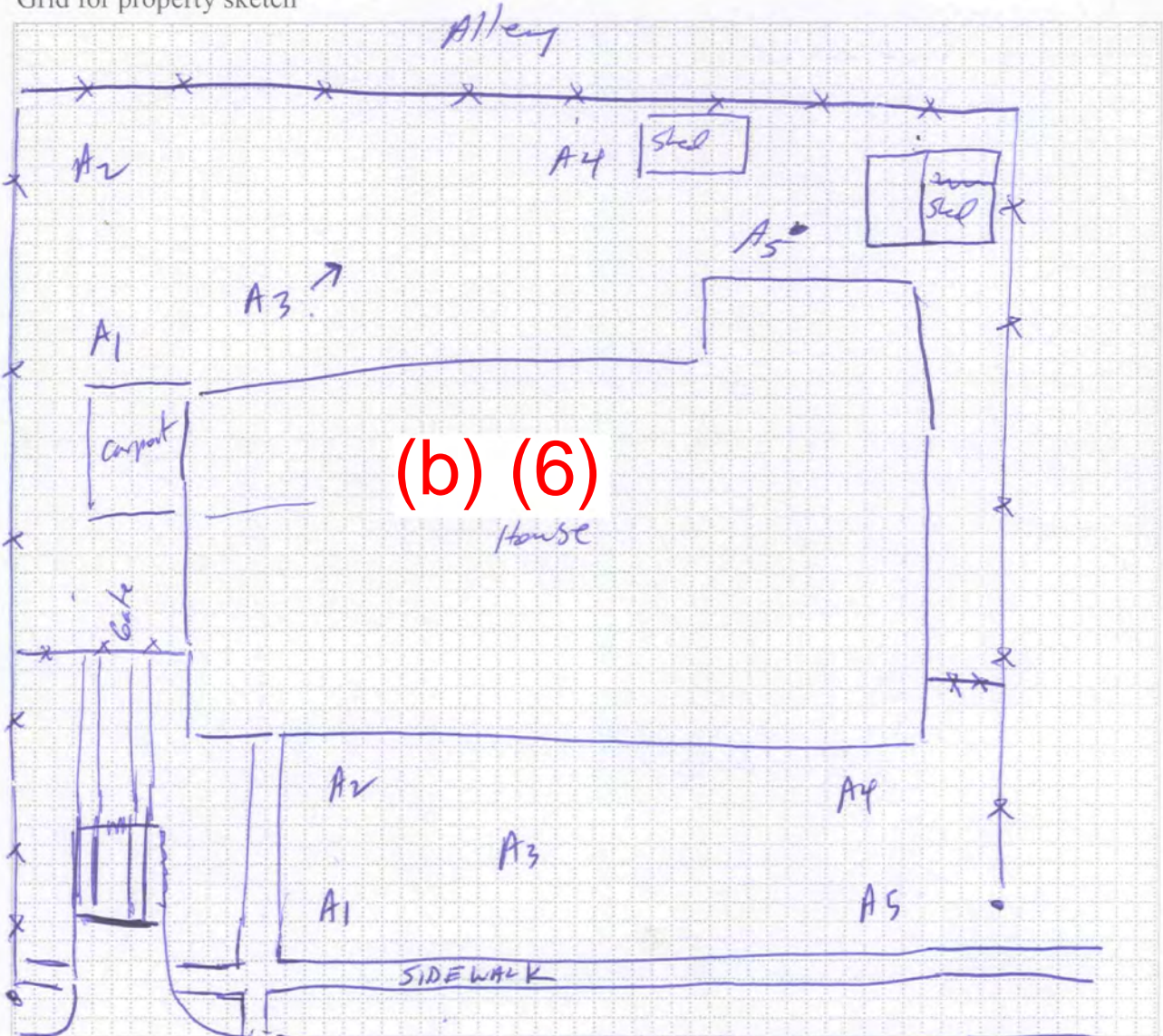
Other pertinent information (weather conditions, etc.):

81°F, cloudy, wind SE @ 10 MPH

PROPERTY COMMENTS:

No resident @ home.

Grid for property sketch



(b) (6)

STATION ID: CV1150A SAMPLE ID: CV1150A-CS

SAMPLE COLLECTION TIME: 1330

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55127742</u>	N Longitude	<u>86.80133959</u>	W
Media description: <u>dk brn silty clay w/ gravel & coal frags. dry</u>			
Aliquot #2: Latitude: <u>33.55130219</u>	N Longitude	<u>86.80133581</u>	W
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.55129416</u>	N Longitude	<u>86.80131157</u>	W
Media description: <u>Same as #1</u>			
Aliquot #4: Latitude: <u>33.55130544</u>	N Longitude	<u>86.80127700</u>	W
Media description: <u>Same as #1</u>			
Aliquot #5: Latitude: <u>33.55127888</u>	N Longitude	<u>86.80127783</u>	W
Media description: <u>Same as #1</u>			

STATION ID: CV1150B SAMPLE ID: CV1150B-CS

SAMPLE COLLECTION TIME: 1335

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: 2020

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>		Logged? <input checked="" type="checkbox"/> or N	
Aliquot #1: Latitude: <u>33.55150062</u>	N Longitude	<u>86.80140804</u>	W
Media description: <u>dk brn sandy silt w/ gravel & coal frags dry</u>			
Aliquot #2: Latitude: <u>33.55159357</u>	N Longitude	<u>86.80140532</u>	W
Media description: <u>Same as #1</u>			
Aliquot #3: Latitude: <u>33.55153402</u>	N Longitude	<u>86.80136030</u>	W
Media description: <u>dk brn sandy silt w/ some gravel clay</u>			
Aliquot #4: Latitude: <u>33.55156503</u>	N Longitude	<u>86.80134899</u>	W
Media description: <u>Same as #3</u>			
Aliquot #5: Latitude: <u>33.55151023</u>	N Longitude	<u>86.80132457</u>	W
Media description: <u>Same as #3</u>			

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0788

DATE: 4/18/13

ARRIVAL TIME: 1400

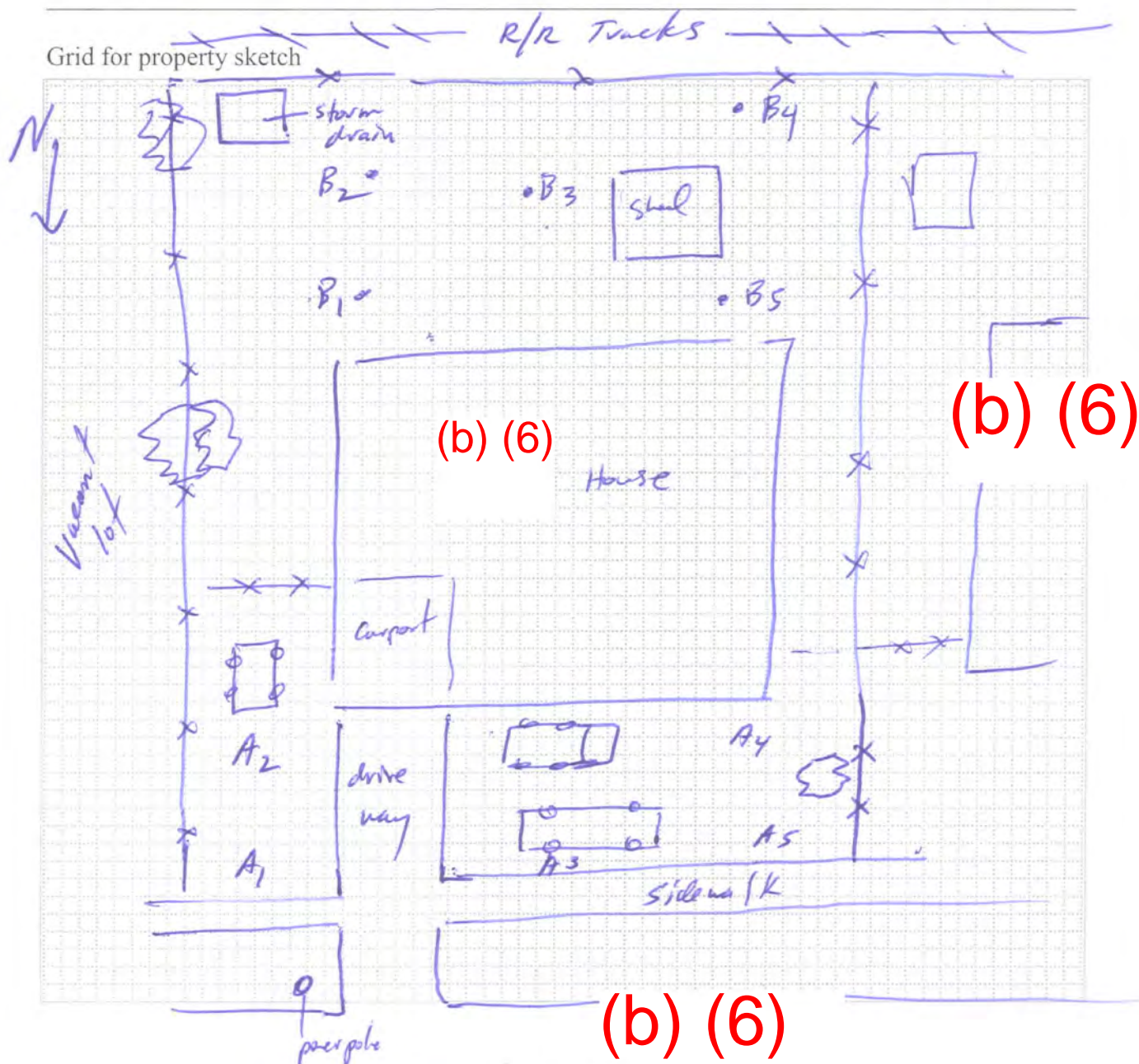
Other pertinent information (weather conditions, etc.):

81°F, cloudy, wind SW @ 5-10 mph

PROPERTY COMMENTS:

Resident @ home.

Front yard includes parking area.



STATION ID: CN0788A SAMPLE ID: CN0788A-CS

SAMPLE COLLECTION TIME: 1415

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.5319192</u>	N Longitude <u>86.80143456</u> W
Media description: <u>brn sandy silt w/ gravel & coal frags. dry</u>	
Aliquot #2: Latitude: <u>33.55316097</u>	N Longitude <u>86.80143451</u> W
Media description: <u>Same as #1</u>	
Aliquot #3: Latitude: <u>33.55320181</u>	N Longitude <u>86.80150519</u> W
Media description: <u>Same as #1</u>	
Aliquot #4: Latitude: <u>33.55317420</u>	N Longitude <u>86.80155764</u> W
Media description: <u>Same as #1</u>	
Aliquot #5: Latitude: <u>33.55320502</u>	N Longitude <u>86.80155534</u> W
Media description: <u>Same as #1</u>	

STATION ID: CN0788B SAMPLE ID: CN0788B-CS

SAMPLE COLLECTION TIME: 1420

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #: <u>18594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude: <u>33.55300003</u>	N Longitude <u>86.80145358</u> W
Media description: <u>dk brn silty clay w/ gravel dry</u>	
Aliquot #2: Latitude: <u>33.55294239</u>	N Longitude <u>86.80146320</u> W
Media description: <u>Same as #1</u>	
Aliquot #3: Latitude: <u>33.55296930</u>	N Longitude <u>86.80149495</u> W
Media description: <u>Same as #1</u>	
Aliquot #4: Latitude: <u>light brown / 33.55293019</u>	N Longitude <u>86.80154027</u> W
Media description: <u>light brown/orange clay w/ gravel dry</u>	
Aliquot #5: Latitude: <u>33.55301647</u>	N Longitude <u>86.80152455</u> W
Media description: <u>dk brn silty clay w/ gravel & coal frags. dry</u>	

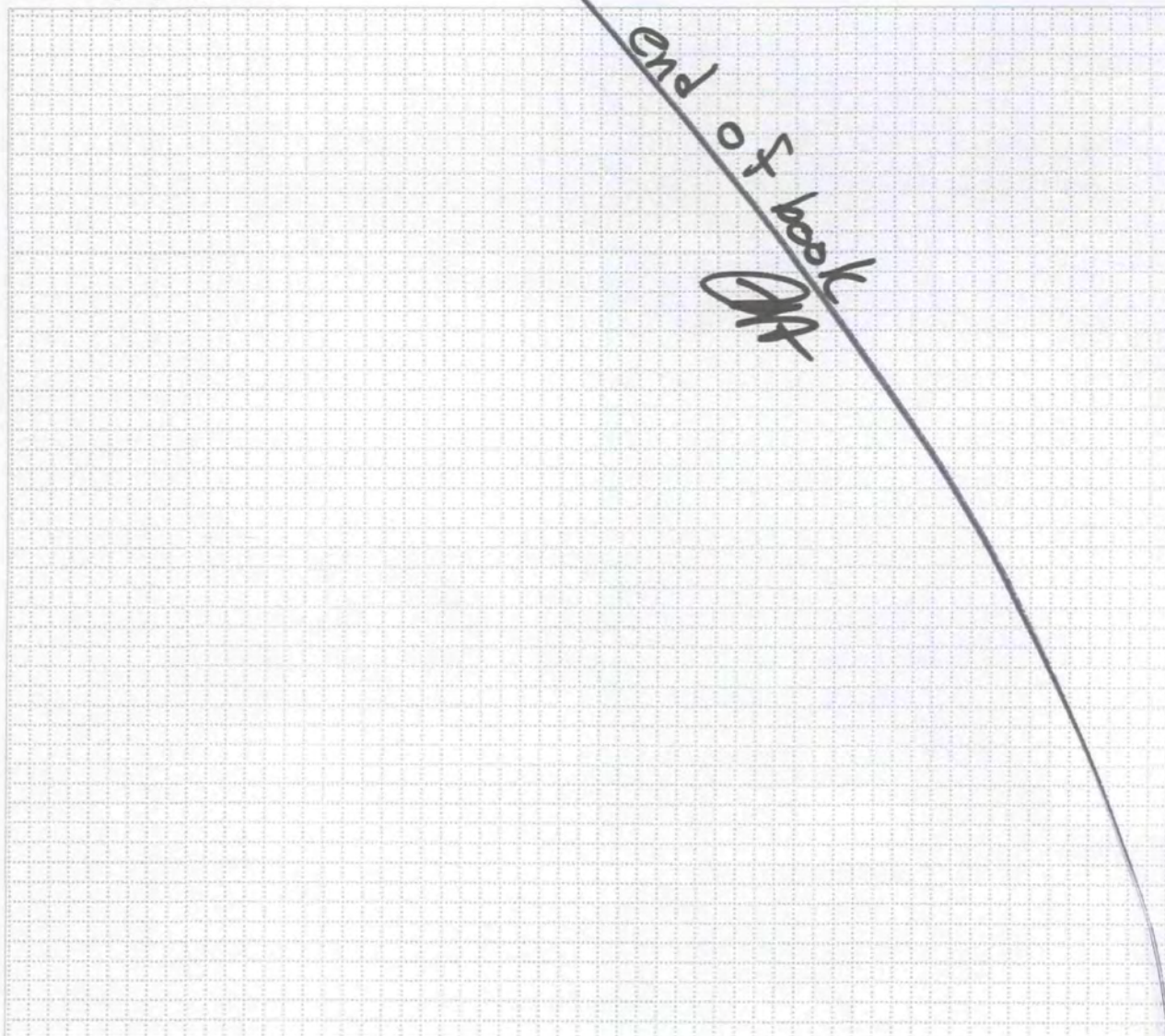
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



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